

System:	GranoRoll-on Medium Impact
Interior/Exterior:	Exterior
Substrate:	Compressed Fibre Cement (CFC)

Version 4

25/08/2021

Product Description

GranoRoll-On Medium® is an acrylic, high performance coating containing sand which is applied by black texture or 18mm pile roller to achieve a medium profile sandy texture.

Surface Preparation

Substrate must be free from dirt, dust, oil, grease, mould or any other contaminants that may affect adhesion. Ensure all sheets are installed as per the manufacturers specification and installation manual. Examine sheets to ensure there is no possibility of future sheet movement. Ensure that any jointing compounds used are fully cured. Repair imperfections with a GranoPatch® Smooth (G1.04) or GranoPatch® Spackle (G1.05). Allow to dry, sand back and dust off.

Coatings System

	First Coat:	Second Coat:	Third Coat:
	GranoPrime®	GranoRoll-On Medium®	GranoImpact®
Technical Data Sheet No	G1.02	G2.21	G2.01
A.P.A.S. Specification	-	-	APAS 0117/3 & 0118/2
Australian Standard	-	-	AS4548.3
Application Method	Brush, roller, spray	Black texture roller or 18mm pile roller	Brush, 10-12mm pile roller, spray
Clean-Up/Thinners	Water	Water	Water
Spreading Rate	12.5 m2/L	1.6 m2/L	5 m2/L
Dry Film Thickness	20 microns	380 microns	95 microns
Recoat	6 hours	24 hours	6 hours

Additional Notes

Surface preparation is the responsibility of the Builder, Renovator or Main Contractor and the Applicator. To achieve the indicated performance, it must be carried out according to Wattyl's recommendations. Application is to be carried out by a skilled applicator, who is totally conversant with the Wattyl Granosite products and systems, to validate full material warranty conditions.

Caution: Provide adequate ventilation during use. Application should not be carried out if the air temperature or the substrate temperature is below 10°C or above 35°C. The temperature must not fall below 10°C during the drying process.

REFER TO PRODUCT TECHNICAL DATA SHEETS AND SAFETY DATA SHEETS FOR FURTHER INFORMATION ON THE PRODUCTS MENTIONED IN THIS SPECIFICATION SHEET

1 This information is provided with respect to the listed products. Please (a) Review the Technical Data Sheet (TDS) and Safety Data Sheet (SDS) before you use or handle the product; (b) Transport, handle and use the product in accordance with the relevant TDS, SDS and instructions; and (c) Thoroughly test the product on a sample of intended substrate, before using the product.

2 While we try to maintain the accuracy of this information, we cannot guarantee that the information is wholly comprehensive. Please conduct such additional investigations as may be necessary to satisfy yourself of the accuracy, currency and comprehensiveness of the information on which you rely before using the product, or contact us if you require further information.

3 If you are not a Consumer as defined by Australian Consumer Law or New Zealand Consumer Law (from hereon referred to as "the law"), we are not liable for breach of any warranty, term, condition, guarantee or similar, or any loss or damage including any special, incidental or consequential damages suffered by you, to the full extent permitted by law. Our liability is limited, at our option, to the replacement of nonconforming product or a refund of the product purchase price. These limitations do not apply to you if the product was acquired by you as a Consumer under the law. A person who buys a good in trade or commerce for the purpose of re-supply; to use them up or transform the goods in the course of a process of production or manufacture; or in the course of repairing or treating other goods or fixtures on land, has not acquired the good as a consumer under the law. If you are a Consumer as defined by the law, and you are buying goods which are not ordinarily acquired for personal, domestic or household use or consumption, our liability for breach of any warranty, term, condition, guarantee or similar, is limited to the full extent permitted by law, at our option, to the replacement of the product or a refund of the product purchase price.

All brands and product names are registered trademarks of Hempel (Wattyl) Australia Pty Ltd ABN 40 000 035 914 and Hempel (Wattyl) New Zealand Ltd 942 904 073 3692.

www.wattyl.com.au

www.wattyl.co.nz

WATTYL ASSIST: Ph: 132 101 (AUSTRALIA)

Ph: 0800 825 7727 (NEW ZEALAND)

Conforms to Model Code of Practice - Preparation of Safety Data Sheets for Hazardous Chemicals - Australia

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name : WATTYL GRANOSITE GRANOPRIME
Product identity : 852001
Product type : Paint or paint related material

1.2 Relevant identified uses of the substance or mixture and uses advised against

Field of application : buildings
Identified uses : Consumer applications, Professional applications, Used by spraying.

1.3 Details of the supplier of the safety data sheet

Company details : Hempel (Wattyl) Australia Pty Ltd.
Level 3, 2 Burbank Place
Norwest, , New South Wales 2153
Australia
Tel: +(61) 288673333
Email: wattyl@wattyl.com.au
Date of Preparation : 2 May 2024
Date of previous issue : No previous validation.

1.4 Emergency telephone number

Emergency telephone number (with hours of operation)

Poisons Information Centre.
Tel.: 13 11 26 (24 hour)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Product definition : Mixture

GHS Classification

Not classified.

2.2 Label elements

Hazard pictograms :
Signal word : No signal word.
Hazard statements : No known significant effects or critical hazards.
Precautionary statements :
General : Keep out of reach of children. If medical advice is needed, have product container or label at hand.
Supplemental label elements : Not applicable.

2.3 Other hazards

Other hazards which do not result in classification : None known.

SECTION 3: Composition/information on ingredients

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

SECTION 4: First aid measures

4.1 Description of first aid measures

General : In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
If breathing is irregular, drowsiness, loss of consciousness or cramps: Call 112 and give immediate treatment (first aid).
Eye contact : Check for and remove any contact lenses. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. In all cases of doubt, or when symptoms persist, seek medical attention.
Inhalation : Remove to fresh air.
Skin contact : Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognised skin cleanser. Do NOT use solvents or thinners.

SECTION 4: First aid measures

Ingestion :	If swallowed, seek medical advice immediately and show this container or label. Keep person warm and at rest. Do not induce vomiting unless directed to do so by medical personnel. Lower the head so that vomit will not re-enter the mouth and throat.
Protection of first-aiders :	No action shall be taken involving any personal risk or without suitable training.

4.2 Most important symptoms and effects, both acute and delayed

Potential acute health effects

Eye contact :	No known significant effects or critical hazards.
Inhalation :	No known significant effects or critical hazards.
Skin contact :	No known significant effects or critical hazards.
Ingestion :	No known significant effects or critical hazards.

Over-exposure signs/symptoms

Eye contact :	No specific data.
Inhalation :	No specific data.
Skin contact :	No specific data.
Ingestion :	No specific data.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician :	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatments :	No specific treatment.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Extinguishing media :	Recommended: alcohol resistant foam, CO ₂ , powders, water spray. Not to be used : waterjet.
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5.2 Special hazards arising from the substance or mixture

Hazards from the substance or mixture :	In a fire or if heated, a pressure increase will occur and the container may burst.
Hazardous combustion products :	Decomposition products may include the following materials: carbon oxides metal oxide/oxides

5.3 Advice for firefighters

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard. Cool closed containers exposed to fire with water. Do not release runoff from fire to drains or watercourses. Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

Hazchem code : -

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Refer to protective measures listed in sections 7 and 8. No action shall be taken involving any personal risk or without suitable training.

6.2 Environmental precautions

Avoid dispersal of spill material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

6.3 Methods and material for containment and cleaning up

Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13).

6.4 Reference to other sections

SECTION 6: Accidental release measures

See Section 1 for emergency contact information.
See Section 8 for information on appropriate personal protective equipment.
See Section 13 for additional waste treatment information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Appropriate personal protective equipment: see Section 8. Always keep in containers made from the same material as the original one.

7.2 Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations.

7.3 Specific end use(s)

See separate Product Data Sheet for recommendations or industrial sector specific solutions.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Product/ingredient name	Exposure limit values
No exposure limit value known.	

Recommended monitoring procedures

If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to appropriate monitoring standards. Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

8.2 Exposure controls

Appropriate engineering controls

Arrange sufficient ventilation by local exhaust ventilation and good general ventilation to keep the airborne concentrations of vapors or dust lowest possible and below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

Individual protection measures

General :

Gloves must be worn for all work that may result in soiling. Apron/coveralls/protective clothing must be worn when soiling is so great that regular work clothes do not adequately protect skin against contact with the product. Safety eyewear should be used when there is a likelihood of exposure.



Hygiene measures :

Wash hands, forearms, and face thoroughly after handling compounds and before eating, smoking, using lavatory, and at the end of day.

Eye/face protection :

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.

Hand protection :

Wear chemical-resistant gloves (tested to EN374) in combination with 'basic' employee training. The quality of the chemical-resistant protective gloves must be chosen as a function of the specific workplace concentrations and quantity of hazardous substances.

Since the actual work situation is unknown. Supplier of gloves should be contacted in order to find the appropriate type. Below listed glove(s) should be regarded as generic advice:

Recommended: Silver Shield / Barrier / 4H gloves, nitrile rubber (>0.3 mm), neoprene rubber (>0.1 mm), butyl rubber (>0.5 mm), natural rubber (latex) (>0.4 mm), polyvinyl chloride (PVC), Viton®, nitrile rubber (>0.1 mm), butyl rubber (>0.3 mm)
Short term exposure: polyvinyl alcohol (PVA)

Body protection :

Personal protective equipment for the body should be selected based on the task being performed and the risks involved handling this product.

Respiratory protection :

SECTION 8: Exposure controls/personal protection

Environmental exposure controls

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state :	Liquid.
Odour :	Non-characteristic.
pH :	Testing not relevant or not possible due to nature of the product.
Melting point/freezing point :	0°C This is based on data for the following ingredient: water
Boiling point/boiling range :	Testing not relevant or not possible due to nature of the product.
Flash point :	Closed cup: 101°C (213.8°F)
Evaporation rate :	Testing not relevant or not possible due to nature of the product.
Flammability :	Not available.
Lower and upper explosive (flammable) limits :	No specific data.
Vapour pressure :	2.333 kPa This is based on data for the following ingredient: water
Vapour density :	Testing not relevant or not possible due to nature of the product.
Relative density :	1.3 g/cm ³
Partition coefficient (LogKow) :	Testing not relevant or not possible due to nature of the product.
Auto-ignition temperature :	Testing not relevant or not possible due to nature of the product.
Decomposition temperature :	Testing not relevant or not possible due to nature of the product.
Viscosity :	Testing not relevant or not possible due to nature of the product.
Explosive properties :	Testing not relevant or not possible due to nature of the product.
Oxidising properties :	Testing not relevant or not possible due to nature of the product.

SECTION 10: Stability and reactivity

10.1 Reactivity

No specific test data related to reactivity available for this product or its ingredients.

10.2 Chemical stability

The product is stable.

10.3 Possibility of hazardous reactions

Under normal conditions of storage and use, hazardous reactions will not occur.

10.4 Conditions to avoid

No specific data.

10.5 Incompatible materials

Reactive or incompatible with the following materials: acids.

10.6 Hazardous decomposition products

When exposed to high temperatures (i.e. in case of fire) harmful decomposition products may be formed:

Decomposition products may include the following materials: carbon oxides metal oxide/oxides

SECTION 11: Toxicological information

11.1 Information on toxicological effects

No known significant effects or critical hazards.

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Not available.				

Acute toxicity estimates

Route	ATE value
No known significant effects or critical hazards.	

Specific target organ toxicity (single exposure)

Product/ingredient name	Category	Route of exposure	Target organs
Not available.			

Specific target organ toxicity (repeated exposure)

Product/ingredient name	Category	Route of exposure	Target organs
Not available.			

Aspiration hazard

Product/ingredient name	Result
Not available.	

Information on likely routes of exposure

Routes of entry anticipated: Oral, Dermal, Inhalation.

Potential chronic health effects

Other information : No additional known significant effects or critical hazards.

SECTION 12: Ecological information

12.1 Toxicity

Do not allow to enter drains or watercourses.

12.2 Persistence and degradability

12.3 Bioaccumulative potential

12.4 Mobility in soil

Soil/water partition coefficient (K_{oc}) : No known data available in our database.

Mobility : No known data available in our database.

Other adverse effects

No known significant effects or critical hazards.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

The generation of waste should be avoided or minimised wherever possible. Residues of the product is not listed as hazardous waste. Dispose of according to all state and local applicable regulations. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

Packaging

The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

SECTION 14: Transport information

Transport may take place according to national regulation NZS for transport by road and train, IMDG for transport by sea, IATA for transport by air.

	14.1 UN no.	14.2 Proper shipping name	14.3 Transport hazard class(es)	14.4 PG*	14.5 Env.*	Additional information
ADG Class	Not regulated.		-	-	No.	-
IMDG Class	Not regulated.		-	-	No.	-
IATA Class	Not regulated.		-	-	No.	-

PG* : Packing group

Env.* : Environmental hazards

14.6 Special precautions for user

Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

14.7 Transport in bulk according to IMO instruments

Not applicable.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Standard for the Uniform Scheduling of Medicines and Poisons

Not regulated.

Model Work Health and Safety Regulations - Scheduled Substances

Ingredient name	Schedule
No listed substance	

SECTION 16: Other information

 Indicates information that has changed from previously issued version.

Classification	Justification
Not classified.	

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

TEXTURE SOLUTIONS
GRANOPRIME

RESOURCE CODE 852001

APRIL 2024

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Description & Uses

GranoPrime is an acrylic primer sealer. GranoPrime can be applied by brush, roller or spray, prior to the application of most of the Wattyl Granosite texture systems. GranoPrime ensures the optimum performance of the complete coating system by stabilising irregularities in substrate adsorption and mechanical strength. On concrete, cement render and mortar joints, the use of GranoPrime minimises the threat of loss of adhesion or other problems that may arise due to the presence of residual alkali salts.

Features & Benefits

- Stabilises irregularities in substrate absorption and mechanical strength
- Speeds the application, controls the drying and ensures strong adhesion of topcoats to the substrate
- Minimises the threat of loss of adhesion or other problems that may arise due to presence of residual alkali salts
- As an acrylic, not subject to the degradation that can occur with polyvinyl acetates (PVAs) in an alkaline environment

Colours

Off-White.

Do not tint GranoPrime.

Properties & Performance Guide

Dry & Recoat Times	Surface Dry - 2 hours
	Recoat - 2-6 hours
	Topcoat - Within 14 days of application
	Figures are quoted at 25°C and at 50% humidity. Drying will take longer at lower temperatures or higher relative humidity.
Density	1.3 Kg/L.
Consistency	Milky liquid.
Coverage	0.08 L/M ² (12.5M ² /L).
Wet Film Thickness	80 microns (approx).
Dry Film Thickness	20 microns (approx).

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Environmental Data & Certifications



White Verified to Eco Choice Aotearoa (ECA) Specification EC-07-18.
Licence No:0709054

Properties & Performance Guide...Continued

Thinning	High Absorption Substrates Medium Absorption Substrates Low Absorption Substrates	Mix 1 part GranoPrime with 1 part water Mix 2 parts GranoPrime with 1 part water Use GranoPrime undiluted
Clean Up	Clean up with cold water away from drains. Protect Our Environment: Do not pour leftover paint down the drain. Unwanted paint should be kept in a sealed container, and then disposed of via special waste collection services. Empty paint containers should be left open in a well ventilated area to dry out. Disposal of empty paint containers may differ between local authorities. Check with your local council first.	
VOC (Volatile Organic Compounds)	VOC < 10g/L.	

Recommended Substrate Conditions & Preparation

Surfaces are to be suitably prepared in accordance with proper trade practices.

High Absorption Substrates: Concrete block, Calsil® brick, autoclaved aerated concrete (AAC).

Medium Absorption Substrates: Off-form concrete under 40 MPa, cement render, ExoTec®, CFC, fibre cement sheeting, coloured renders, lime washes, GranoRender Coarse (G1.18), GranoRender PM Medium (G1.25), GranoRender Sponge Fine Finish (G1.17), GranoReady Render (G1.12), GranoSponge Fine Acrylic (G1.21), GranoPatch Smooth (G1.04), GranoPatch Spackle (G1.05), GranoFlex (G1.15).

Low Absorption Substrates: Previously painted surfaces, off-form concrete over 40 MPa, high density bricks.

GranoPrime is **not suitable** for application to steel or timber surfaces.

GranoPrime may be used as part of the GranoRoof system for properly cleaned concrete roof tiles.

Surface preparation is the responsibility of the Builder, Renovator or Main Contractor and the Applicator. To achieve the indicated performance, application must be carried out according to Wattyl's recommendations.

Ensure the surface is clean and dry. All substrates must be free of dirt, dust, grease, oil, mould release agents, bond-breakers and any other contaminants that may interfere with adhesion.

Fresh cementitious substrates should be left for 14-28 days before coating. There must be less than 15% moisture content in the surface at the time of coating to ensure optimum coating performance.

For specific substrate preparation, see relevant specification sheets.

Application Guide

Stir contents thoroughly with a power stirrer before use.

Apply one coat to a correctly prepared surface by brush, roller or spray.

AIRLESS GUN SETTINGS: Tip 519 or 521. Pressure Setting 1500-2000psi.

Freshly applied material must be protected from frosts and rain for a minimum of forty-eight (48) hours.

Application **should not** be carried out if the air temperature or the substrate temperature is below 10°C or above 35°C or when humidity is very high. The temperature must not fall below 10°C during the drying process.

In exterior application avoid painting when dew or rain is likely.

TEXTURE SOLUTIONS
GRANOPRIME

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Additional Data

Available in 15 litre containers.

Not suitable for walk-on surfaces.

GranoPrime is a surface preparation product and is used in conjunction with various Wattyl Granosite systems. As such, it is not a system in itself and should only be used where specified.

Note: The approved Wattyl Granosite system should be applied to GranoPrime within 14 days of curing and the GranoPrime should be protected from rain and frost for this period.

Leave 7 days after application of final coat before washing. Wash using a sponge or soft cloth with warm water and mild detergent. Avoid harsh scrubbing and strong household cleaners.

Containers must be secured and stored upright during transit.

Containers must not be exposed to excessive heat or cold.

Storage must be under cover, away from direct heat, freezing and moisture, in well-sealed containers.

It is recommended that application be carried out by a skilled applicator, who is totally conversant with the Granosite products and systems, to validate full material warranty conditions.

The use of proprietary additives other than those manufactured by Wattyl is not recommended.

Do not use for any other purpose other than as specified in our literature.

Safety Data

First Aid Instructions

For advice, contact the Poisons Information Centre on 131 126 (Australia), 0800 764 766 (New Zealand), or a doctor.

If swallowed, do not induce vomiting. Give a glass of water to drink.

If in eyes, wash out immediately with water.

If inhaled remove from contaminated area to fresh air.

If skin contact occurs, remove contaminated clothing and flush contaminated skin with water.

Safety Directions

Keep out of reach of children.

Avoid contact with skin and eyes.

Ensure adequate ventilation during use.

Avoid prolonged breathing of vapour.

Wash hands thoroughly after use.

Further Information

For the latest information refer to the Safety Data Sheet available on our websites.

Australia: www.wattyl.com.au or contact Wattyl Assist on 132 101.

New Zealand: www.wattyl.co.nz or contact Wattyl Assist on 0800 825 7727.

1. This information is provided with respect to the listed Hempel (Wattyl) Australia and Hempel (Wattyl) New Zealand products. Hempel (Wattyl) Australia and Hempel (Wattyl) New Zealand, hereon referred to as "Hempel (Wattyl)," recommends that:

(a) You review the Technical Data Sheets (TDS) and Safety Data Sheets (SDS) before you use or handle the product; (b) the product be used only in accordance with the information provided by Hempel (Wattyl); (c) the product be transported and handled in accordance with the SDS and relevant TDS; and (d) you thoroughly test the product, using the recommended application method on a sample of intended substrate, before using the product.

2. The information in the TDS was prepared using information gathered during product development. While Hempel (Wattyl) endeavour to update this information and maintain the accuracy of its contents, Hempel (Wattyl) cannot guarantee that the information is wholly comprehensive.

3. Hempel (Wattyl) recommend that you conduct such additional investigations as may be necessary to satisfy yourself of the accuracy, currency and comprehensiveness of the information on which you rely in using and handling the product. If you require further information please contact your nearest office of Hempel (Wattyl).

4. To the full extent permitted by law, the liability of Hempel (Wattyl) for breach of a condition or warranty implied into the contract for sale between Hempel (Wattyl) and you by law is limited at the election of Hempel (Wattyl) to: (a) the replacement of the product; or (b) payment of the cost of replacing the product.

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Calsil® is a registered trademark of Boral Resources (Vic) Pty Ltd.

Exotec® is a registered trademark of James Hardie International Finance B.V.

WATTYL ASSIST: Ph: 132 101 (AUSTRALIA)
Ph: 0800 825 7727 (NEW ZEALAND)

Safety Data Sheet

GRANOSITE GRANOROLL-ON MEDIUM WHITE

Conforms to Model Code of Practice - Preparation of Safety Data Sheets for Hazardous Chemicals - Australia

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name : GRANOSITE GRANOROLL-ON MEDIUM WHITE
Product identity : 861101
Product type : Paint or paint related material

1.2 Relevant identified uses of the substance or mixture and uses advised against

Field of application : buildings
Identified uses : Consumer applications, Professional applications, Used by spraying.

1.3 Details of the supplier of the safety data sheet

Company details : Hempel (Wattyl) Australia Pty Ltd.
Level 3, 2 Burbank Place
Norwest, , New South Wales 2153
Australia
Tel: +(61) 288673333
Email: wattyl@wattyl.com.au
Date of Preparation : 2 May 2024
Date of previous issue 12 April 2024.

1.4 Emergency telephone number

Emergency telephone number (with hours of operation)

Poisons Information Centre.
Tel.: 13 11 26 (24 hour)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Product definition : Mixture

GHS Classification

SKIN SENSITISATION - Category 1
REPRODUCTIVE TOXICITY - Category 1

2.2 Label elements

Hazard pictograms :



Signal word : DANGER
Hazard statements : H317 - May cause an allergic skin reaction.
H360 - May damage fertility or the unborn child.

Precautionary statements :

General : Keep out of reach of children. If medical advice is needed, have product container or label at hand.
Prevention : Obtain special instructions before use. Wear protective gloves, protective clothing, eye protection, face protection, or hearing protection. Avoid breathing vapour.
Response : IF exposed or concerned: Get medical advice or attention. Take off contaminated clothing and wash it before reuse. IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice or attention.
Storage : Store locked up.
Disposal : Dispose of contents and container in accordance with all local, regional, national and international regulations.
Supplemental label elements : Not applicable.

2.3 Other hazards

Other hazards which do not result in classification : None known.

Safety Data Sheet

GRANOSITE GRANOROLL-ON MEDIUM WHITE

SECTION 3: Composition/information on ingredients

Product/ingredient name	Identifiers	%
dibutyl phthalate	84-74-2	≤1
2-methylisothiazol-3(2H)-one	2682-20-4	≤0.1

Occupational exposure limits, if available, are listed in Section 8.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

SECTION 4: First aid measures

4.1 Description of first aid measures

General :	In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. If breathing is irregular, drowsiness, loss of consciousness or cramps: Call 112 and give immediate treatment (first aid).
Eye contact :	Check for and remove any contact lenses. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. In all cases of doubt, or when symptoms persist, seek medical attention.
Inhalation :	Remove to fresh air and keep at rest in a position comfortable for breathing. Give nothing by mouth. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. If unconscious, place in recovery position and get medical attention immediately.
Skin contact :	Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognised skin cleanser. Do NOT use solvents or thinners.
Ingestion :	If swallowed, seek medical advice immediately and show this container or label. Keep person warm and at rest. Do not induce vomiting unless directed to do so by medical personnel. Lower the head so that vomit will not re-enter the mouth and throat.
Protection of first-aiders :	No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

4.2 Most important symptoms and effects, both acute and delayed

Potential acute health effects

Eye contact :	No known significant effects or critical hazards.
Inhalation :	No known significant effects or critical hazards.
Skin contact :	May cause an allergic skin reaction.
Ingestion :	No known significant effects or critical hazards.

Over-exposure signs/symptoms

Eye contact :	No specific data.
Inhalation :	Adverse symptoms may include the following: reduced foetal weight increase in foetal deaths skeletal malformations
Skin contact :	Adverse symptoms may include the following: irritation redness reduced foetal weight increase in foetal deaths skeletal malformations
Ingestion :	Adverse symptoms may include the following: reduced foetal weight increase in foetal deaths skeletal malformations

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician :	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatments :	No specific treatment.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Extinguishing media : Recommended: alcohol resistant foam, CO₂, powders, water spray.
Not to be used : waterjet.

5.2 Special hazards arising from the substance or mixture

Hazards from the substance or mixture : In a fire or if heated, a pressure increase will occur and the container may burst. This material is very toxic to aquatic life. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

Hazardous combustion products : Decomposition products may include the following materials: carbon oxides metal oxide/oxides

5.3 Advice for firefighters

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard. Cool closed containers exposed to fire with water. Do not release runoff from fire to drains or watercourses. Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

Hazchem code : ●3Z

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid all direct contact with the spilled material. Refer to protective measures listed in sections 7 and 8. No action shall be taken involving any personal risk or without suitable training. If the product contaminates lakes, rivers, or sewers, inform the appropriate authorities in accordance with local regulations.

6.2 Environmental precautions

Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities.

6.3 Methods and material for containment and cleaning up

Stop leak if without risk. Move containers from spill area. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Contaminated absorbent material may pose the same hazard as the spilt product.

6.4 Reference to other sections

See Section 1 for emergency contact information.
See Section 8 for information on appropriate personal protective equipment.
See Section 13 for additional waste treatment information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Avoid inhalation of vapour, dust and spray mist. Avoid contact with skin and eyes. Eating, drinking and smoking should be prohibited in area where this material is handled, stored and processed. Appropriate personal protective equipment: see Section 8. Always keep in containers made from the same material as the original one.

7.2 Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Store in a cool, well-ventilated area away from incompatible materials and ignition sources. Keep out of the reach of children. Keep away from: Oxidizing agents, strong alkalis, strong acids. No smoking. Prevent unauthorized access. Containers that are opened must be carefully resealed and kept upright to prevent leakage.

7.3 Specific end use(s)

See separate Product Data Sheet for recommendations or industrial sector specific solutions.

Safety Data Sheet

GRANOSITE GRANOROLL-ON MEDIUM WHITE

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Product/ingredient name	Exposure limit values
dibutyl phthalate 2-methylisothiazol-3(2H)-one	Safe Work Australia (Australia, 10/2022). TWA: 5 mg/m ³ 8 hours. DFG MAC-values list (Germany, 7/2023). Skin sensitizer.

Recommended monitoring procedures

If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to appropriate monitoring standards. Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

8.2 Exposure controls

Appropriate engineering controls

Arrange sufficient ventilation by local exhaust ventilation and good general ventilation to keep the airborne concentrations of vapors or dust lowest possible and below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

Individual protection measures

General :

Gloves must be worn for all work that may result in soiling. Apron/coveralls/protective clothing must be worn when soiling is so great that regular work clothes do not adequately protect skin against contact with the product. Safety eyewear should be used when there is a likelihood of exposure.



Hygiene measures :

Wash hands, forearms, and face thoroughly after handling compounds and before eating, smoking, using lavatory, and at the end of day.

Eye/face protection :

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.

Hand protection :

Wear chemical-resistant gloves (tested to EN374) in combination with 'basic' employee training. The quality of the chemical-resistant protective gloves must be chosen as a function of the specific workplace concentrations and quantity of hazardous substances.

Since the actual work situation is unknown. Supplier of gloves should be contacted in order to find the appropriate type. Below listed glove(s) should be regarded as generic advice:

Recommended: Silver Shield / Barrier / 4H gloves, nitrile rubber (>0.3 mm), neoprene rubber (>0.1 mm), butyl rubber (>0.5 mm), natural rubber (latex) (>0.4 mm), polyvinyl chloride (PVC), Viton®, nitrile rubber (>0.1 mm), butyl rubber (>0.3 mm)

Short term exposure: polyvinyl alcohol (PVA)

Body protection :

Personal protective equipment for the body should be selected based on the task being performed and the risks involved handling this product.

Respiratory protection :

Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. Wear appropriate respirator when ventilation is inadequate. Be sure to use approved/certified respirator or equivalent. It is not possible to specify precise filter type, since the actual work situation is unknown. Supplier of respirators should be contacted in order to find the appropriate filter.

Environmental exposure controls

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state :	Liquid.
Odour :	Non-characteristic.
pH :	Testing not relevant or not possible due to nature of the product.
Melting point/freezing point :	1610°C This is based on data for the following ingredient: quartz (chrySTALLINE, non respirable)
Boiling point/boiling range :	Testing not relevant or not possible due to nature of the product.
Flash point :	Closed cup: 100°C (212°F)
Evaporation rate :	Testing not relevant or not possible due to nature of the product.
Flammability :	Not available.
Lower and upper explosive (flammable) limits :	No specific data.
Vapour pressure :	Testing not relevant or not possible due to nature of the product.
Vapour density :	Testing not relevant or not possible due to nature of the product.
Relative density :	1.75 g/cm ³
Partition coefficient (LogKow) :	Testing not relevant or not possible due to nature of the product.
Auto-ignition temperature :	Testing not relevant or not possible due to nature of the product.
Decomposition temperature :	Testing not relevant or not possible due to nature of the product.
Viscosity :	Testing not relevant or not possible due to nature of the product.
Explosive properties :	Testing not relevant or not possible due to nature of the product.
Oxidising properties :	Testing not relevant or not possible due to nature of the product.

SECTION 10: Stability and reactivity

10.1 Reactivity

No specific test data related to reactivity available for this product or its ingredients.

10.2 Chemical stability

The product is stable.

10.3 Possibility of hazardous reactions

Under normal conditions of storage and use, hazardous reactions will not occur.

10.4 Conditions to avoid

No specific data.

10.5 Incompatible materials

Reactive or incompatible with the following materials: acids.

10.6 Hazardous decomposition products

When exposed to high temperatures (i.e. in case of fire) harmful decomposition products may be formed:

Decomposition products may include the following materials: carbon oxides metal oxide/oxides

SECTION 11: Toxicological information

11.1 Information on toxicological effects

No known significant effects or critical hazards.

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
dibutyl phthalate	LC50 Inhalation Dusts and mists	Rat	>15.68 mg/l	4 hours
	LD50 Dermal	Rabbit	>20000 mg/kg	-
2-methylisothiazol-3(2H)-one	LD50 Oral	Rat	7499 mg/kg	-
	LC50 Inhalation Dusts and mists	Rat	0.11 mg/l	4 hours
	LD50 Dermal	Rat	242 mg/kg	-
	LD50 Oral	Rat - Female	183 mg/kg	-

Safety Data Sheet

GRANOSITE GRANOROLL-ON MEDIUM WHITE

SECTION 11: Toxicological information

Acute toxicity estimates

Route	ATE value
No known significant effects or critical hazards.	

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure
2-methylisothiazol-3(2H)-one	Skin - Moderate irritant	Rabbit	-	-

Sensitiser

Product/ingredient name	Route of exposure	Species	Result
2-methylisothiazol-3(2H)-one	skin	Guinea pig	Sensitising

Specific target organ toxicity (single exposure)

Product/ingredient name	Category	Route of exposure	Target organs
Not available.			

Specific target organ toxicity (repeated exposure)

Product/ingredient name	Category	Route of exposure	Target organs
Not available.			

Aspiration hazard

Product/ingredient name	Result
Not available.	

Information on likely routes of exposure

Routes of entry anticipated: Oral, Dermal, Inhalation.

Potential chronic health effects

Other information : No additional known significant effects or critical hazards.

SECTION 12: Ecological information

12.1 Toxicity

Do not allow to enter drains or watercourses. Very toxic to aquatic life.

Product/ingredient name	Result	Species	Exposure
dibutyl phthalate	Acute EC50 3.4 µg/l Marine water	Algae - Dinoflagellate - Gymnodinium breve	96 hours
	Acute EC50 2990 µg/l Fresh water	Daphnia - Water flea - Daphnia magna	48 hours
	Acute LC50 480 µg/l Fresh water	Fish - Bluegill - Lepomis macrochirus - Juvenile (Fledgling, Hatchling, Weanling)	96 hours
	Chronic NOEC 210 µg/l Fresh water	Algae - Green algae - Pseudokirchneriella subcapitata	96 hours
	Chronic NOEC 500 µg/l Fresh water	Daphnia - Water flea - Daphnia magna	21 days
2-methylisothiazol-3(2H)-one	Chronic NOEC 25 µg/l Fresh water	Fish - Zebra danio - Danio rerio - Embryo	5 weeks
	Acute EC50 0.158 mg/l	Algae	72 hours
	Acute EC50 0.063 mg/l	Algae	96 hours
	Acute EC50 0.87 mg/l	Daphnia	48 hours
	Acute LC50 0.056 ppm Marine water	Crustaceans - Calanoid copepod - Acartia tonsa	48 hours
	Acute LC50 4.77 mg/l	Fish	96 hours

12.2 Persistence and degradability

Product/ingredient name	Test	Result	Dose	Inoculum
2-methylisothiazol-3(2H)-one	-	98 % - Readily - 48 days	-	-

12.3 Bioaccumulative potential

Safety Data Sheet

GRANOSITE GRANOROLL-ON MEDIUM WHITE

SECTION 12: Ecological information

Product/ingredient name	LogP _{ow}	BCF	Potential
dibutyl phthalate	4.46	165.96	low
2-methylisothiazol-3(2H)-one	-0.32	3.16	low

12.4 Mobility in soil

Soil/water partition coefficient (K_{oc}) : No known data available in our database.

Mobility : No known data available in our database.

Other adverse effects

No known significant effects or critical hazards.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

The generation of waste should be avoided or minimised wherever possible. Residues of the product is listed as hazardous waste. Dispose of according to all state and local applicable regulations. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

Packaging

The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

SECTION 14: Transport information

Transport may take place according to national regulation NZS for transport by road and train, IMDG for transport by sea, IATA for transport by air.

	14.1 UN no.	14.2 Proper shipping name	14.3 Transport hazard class(es)	14.4 PG*	14.5 Env*	Additional information
ADG Class	UN3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (dibutyl phthalate)	9  	III	Yes.	The product is not regulated as a dangerous good when transported by road or rail in either an IBC, or in other container types if ≤500 kg. This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8.
IMDG Class	UN3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.. (dibutyl phthalate)	9  	III	Yes.	This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8. Emergency schedules F-A, S-F
IATA Class	UN3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (dibutyl phthalate)	9  	III	Yes.	This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 5.0.2.4.1, 5.0.2.6.1.1 and 5.0.2.8.

PG* : Packing group

Env.* : Environmental hazards

14.6 Special precautions for user

Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

14.7 Transport in bulk according to IMO instruments

Safety Data Sheet

GRANOSITE GRANOROLL-ON MEDIUM WHITE

SECTION 14: Transport information

Not applicable.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Standard for the Uniform Scheduling of Medicines and Poisons

Not regulated.

Model Work Health and Safety Regulations - Scheduled Substances

Ingredient name	Schedule
quartz (chrySTALLine, non respirable)	Restricted hazardous chemical [For abrasive blasting at a concentration of greater than 1%]

SECTION 16: Other information

▀ Indicates information that has changed from previously issued version.

Classification	Justification
SKIN SENSITISATION - Category 1 REPRODUCTIVE TOXICITY - Category 1	Calculation method Calculation method

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

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GRANOROLL-ON MEDIUM

RESOURCE CODE 861101

SEPTEMBER 2021

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Description & Uses

GranoRoll-On Medium is an acrylic, high performance coating applied by black texture roller or 18mm pile roller to achieve a medium or low profiled texture. GranoRoll-On Medium is well suited for high traffic areas as it exhibits extremely good abrasion and impact resistance. GranoRoll-On Medium may be left matt or overcoated with GranoShield Matt, GranoImpact or GranoSkin Membrane.

Features & Benefits

- Suitable for high traffic areas
- Exhibits extremely good abrasion and impact resistance

Colours & Gloss

Base may be tinted as required. Tint using Ecotint® to Wattyl Colour Designer® range of colours or other competitor colours.

Matt.
Matt when overcoated with GranoShield Matt (G2.27).
Low Sheen when overcoated with GranoImpact (G2.01).
Satin when overcoated with GranoSkin Membrane (G2.14).

For exterior application, it is recommended that the light-fastness of the chosen colour be confirmed before ordering.

Properties & Performance Guide

Dry & Recoat Times	Surface Dry - 4 hours
	Recoat - 24 hours
	Hard Dry - 7 days
	Figures are quoted at 25°C and at 50% humidity. Drying will take longer at lower temperatures or higher relative humidity.
Density	1.7 Kg/L.
Consistency	Thick, creamy paste.
Texture	Medium or high profile texture.
Coverage per Coat	0.6 L/M ² (1.6 M ² /L).
Wet Film Thickness	600 microns (approx).
Dry Film Thickness	380 microns (approx).
Moisture Control	Excellent, however, the coating should not be subject to hydrostatic pressure.

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Properties & Performance Guide...Continued

Abrasion Resistance	Excellent.
Thinning	Not required but if desired thin sparingly with water.
Clean Up	Clean up with cold water away from drains. Protect Our Environment: Do not pour leftover paint down the drain. Unwanted paint should be kept in a sealed container, and then disposed of via special waste collection services. Empty paint containers should be left open in a well ventilated area to dry out. Disposal of empty paint containers may differ between local authorities. Check with your local council first.
VOC (Volatile Organic Compounds)	VOC < 10g/L.

Recommended Substrate Conditions & Preparation

Surfaces are to be suitably prepared in accordance with proper trade practices.

GranoRoll-On Medium may be applied to off-form concrete Class 2 (AS 1510) or equivalent, cement rendered fair-faced flush-jointed concrete block and brickwork (common, clay, concrete, Calsil®, and extruded), CFC, tilt-up and pre-cast concrete, and paper-faced plasterboard. Make-good of the substrate is necessary if substrate imperfections are to be eliminated. Please refer to Technical Data Sheets for GranoRender Sponge Fine Finish (G1.17), GranoRender Coarse (G1.18), GranoRender PM Medium (G1.25), GranoPatch Smooth (G1.04), or GranoPatch Spackle (G1.05).

Surface preparation is the responsibility of the Builder, Renovator or Main Contractor and the Applicator. To achieve the indicated performance, application must be carried out according to Wattyl's recommendations.

Ensure the surface is clean and dry. All substrates must be free of dirt, dust, grease, oil, mould release agents, bondbreakers and any other contaminants that may interfere with adhesion.

Fresh cementitious substrates should be left for 14-28 days before coating. There must be less than 15% moisture content in the surface at the time of coating to ensure optimum coating performance.

The substrate must not be subjected to continual wetting, ponding water or hydrostatic pressure.

For specific substrate preparation, see relevant specification sheets.

Application Guide

Stir contents thoroughly with a power stirrer before use.

GranoRoll-On Medium is applied in 1 coat by medium black texture roller or 18mm pile roller to a correctly prepared and primed surface.

NOTE: The texture achieved will vary depending on the supplier of the texture roller.

If GranoRoll-On Medium is used as the final coat in a 'matt' system, consistency of colour between different drums and/or batches cannot be guaranteed. Topcoating with GranoShield Matt, GranoImpact or GranoSkin Membrane is recommended for consistency of colour, system longevity and ease of maintenance.

Freshly applied material must be protected from frosts and rain for a minimum of forty-eight (48) hours.

Application **should not** be carried out if the air temperature or the substrate temperature is below 10°C or above 35°C or when humidity is very high. The temperature must not fall below 10°C during the drying process.

In exterior application avoid painting when dew or rain is likely.

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Additional Data

Available in 15 litre containers.
Not suitable for horizontal roofs, ponds etc., or walk-on surfaces.
Tinted paint is non-refundable, so choose your colours carefully.
If using more than one container for the final coat, check that the colour is correct in all containers and mix the paint together to ensure colour consistency before starting.
Leave 7 days after application of final coat before washing. Wash using a sponge or soft cloth with warm water and mild detergent. Avoid harsh scrubbing and strong household cleaners.
Containers must be secured and stored upright during transit.
Containers must not be exposed to excessive heat or cold.
Storage must be under cover, away from direct heat, freezing and moisture, in well-sealed containers.
It is recommended that application be carried out by a skilled applicator, who is totally conversant with the Granosite products and systems, to validate full material warranty conditions.
The use of proprietary additives other than those manufactured by Wattyl is not recommended.
Do not use for any other purpose other than as specified in our literature.

Safety Data

First Aid Instructions	For advice, contact the Poisons Information Centre on 131 126 (Australia), 0800 764 766 (New Zealand), or a doctor. If swallowed, do not induce vomiting. Give a glass of water to drink. If in eyes, wash out immediately with water. If inhaled remove from contaminated area to fresh air. If skin contact occurs, remove contaminated clothing and flush contaminated skin with water.
Safety Directions	Keep out of reach of children. Avoid contact with skin and eyes. Ensure adequate ventilation during use. Avoid prolonged breathing of vapour. Wash hands thoroughly after use.
Further Information	For the latest information refer to the Safety Data Sheet available on our websites. Australia: www.wattyl.com.au or contact Wattyl Assist on 132 101. New Zealand: www.wattyl.co.nz or contact Wattyl Assist on 0800 825 7727.

1. This information is provided with respect to the listed Hempel (Wattyl) Australia and Hempel (Wattyl) New Zealand products. Hempel (Wattyl) Australia and Hempel (Wattyl) New Zealand, hereon referred to as "Hempel (Wattyl)," recommends that:

(a) You review the Technical Data Sheets (TDS) and Safety Data Sheets (SDS) before you use or handle the product; (b) the product be used only in accordance with the information provided by Hempel (Wattyl); (c) the product be transported and handled in accordance with the SDS and relevant TDS; and (d) you thoroughly test the product, using the recommended application method on a sample of intended substrate, before using the product.

2. The information in the TDS was prepared using information gathered during product development. While Hempel (Wattyl) endeavour to update this information and maintain the accuracy of its contents, Hempel (Wattyl) cannot guarantee that the information is wholly comprehensive.

3. Hempel (Wattyl) recommend that you conduct such additional investigations as may be necessary to satisfy yourself of the accuracy, currency and comprehensiveness of the information on which you rely in using and handling the product. If you require further information please contact your nearest office of Hempel (Wattyl).

4. To the full extent permitted by law, the liability of Hempel (Wattyl) for breach of a condition or warranty implied into the contract for sale between Hempel (Wattyl) and you by law is limited at the election of Hempel (Wattyl) to: (a) the replacement of the product; or (b) payment of the cost of replacing the product.

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Calsil® is a registered trademark of Boral Resources (Vic) Pty Ltd.

WATTYL ASSIST: Ph: 132 101 (AUSTRALIA)
Ph: 0800 825 7727 (NEW ZEALAND)

Conforms to Model Code of Practice - Preparation of Safety Data Sheets for Hazardous Chemicals - Australia

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name : WATTYL GRANOSITE GRANOIMPACT WHITE
Product identity : 860101
Product type : Paint or paint related material

1.2 Relevant identified uses of the substance or mixture and uses advised against

Field of application : buildings
Identified uses : Consumer applications, Professional applications, Used by spraying.

1.3 Details of the supplier of the safety data sheet

Company details : Hempel (Wattyl) Australia Pty Ltd.
Level 3, 2 Burbank Place
Norwest, , New South Wales 2153
Australia
Tel: +(61) 288673333
Email: wattyl@wattyl.com.au
Date of Preparation : 5 December 2024
Date of previous issue : 2 May 2024.

1.4 Emergency telephone number

Emergency telephone number (with hours of operation)

Poisons Information Centre.
Tel.: 13 11 26 (24 hour)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Product definition : Mixture

GHS Classification

 SKIN SENSITISATION - Category 1

2.2 Label elements

Hazard pictograms :



Signal word :  WARNING

Hazard statements :  H317 - May cause an allergic skin reaction.

Precautionary statements :

General : Keep out of reach of children. If medical advice is needed, have product container or label at hand.
Prevention :  P273 - Wear protective gloves. Avoid breathing vapour.
Response :  P301+P330+P331 - IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice or attention. Take off contaminated clothing and wash it before reuse.
Disposal :  P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
Supplemental label elements : Not applicable.

2.3 Other hazards

Other hazards which do not result in classification : None known.

SECTION 3: Composition/information on ingredients

Product/ingredient name	Identifiers	%
 (2-butoxyethoxy)ethanol Kerosine (petroleum), hydrosulfurized 2-methylisothiazol-3(2H)-one	CAS: 112-34-5 CAS: 64742-81-0 CAS: 2682-20-4	≤3 ≤3 ≤0.1

Occupational exposure limits, if available, are listed in Section 8.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

SECTION 4: First aid measures

4.1 Description of first aid measures

General :	In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. If breathing is irregular, drowsiness, loss of consciousness or cramps: Call 112 and give immediate treatment (first aid).
Eye contact :	Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Seek immediate medical attention/advice.
Inhalation :	Remove to fresh air and keep at rest in a position comfortable for breathing. Give nothing by mouth. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. If unconscious, place in recovery position and get medical attention immediately.
Skin contact :	 Wash skin thoroughly with soap and water or use recognised skin cleanser. Do NOT use solvents or thinners. Remove contaminated clothing and shoes.
Ingestion :	If swallowed, seek medical advice immediately and show this container or label. Keep person warm and at rest. Do not induce vomiting unless directed to do so by medical personnel. Lower the head so that vomit will not re-enter the mouth and throat.
Protection of first-aiders :	No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

4.2 Most important symptoms and effects, both acute and delayed

Potential acute health effects

Eye contact :	No known significant effects or critical hazards.
Inhalation :	No known significant effects or critical hazards.
Skin contact :	May cause an allergic skin reaction.
Ingestion :	No known significant effects or critical hazards.

Over-exposure signs/symptoms

Eye contact :	No specific data.
Inhalation :	No specific data.
Skin contact :	Adverse symptoms may include the following: irritation redness
Ingestion :	No specific data.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician :	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatments :	No specific treatment.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Extinguishing media : Recommended: alcohol resistant foam, CO₂, powders, water spray.
Not to be used : waterjet.

5.2 Special hazards arising from the substance or mixture

Hazards from the substance or mixture :  In a fire or if heated, a pressure increase will occur and the container may burst. This material is very toxic to aquatic life. This material is toxic to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

Hazardous combustion products : Decomposition products may include the following materials: carbon oxides metal oxide/oxides

5.3 Advice for firefighters

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard. Cool closed containers exposed to fire with water. Do not release runoff from fire to drains or watercourses. Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

Hazchem code : -

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid all direct contact with the spilled material. Refer to protective measures listed in sections 7 and 8. No action shall be taken involving any personal risk or without suitable training. If the product contaminates lakes, rivers, or sewers, inform the appropriate authorities in accordance with local regulations.

6.2 Environmental precautions

Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities.

6.3 Methods and material for containment and cleaning up

Stop leak if without risk. Move containers from spill area. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Contaminated absorbent material may pose the same hazard as the spilt product.

6.4 Reference to other sections

See Section 1 for emergency contact information.
See Section 8 for information on appropriate personal protective equipment.
See Section 13 for additional waste treatment information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Avoid inhalation of vapour, dust and spray mist. Avoid contact with skin and eyes. Eating, drinking and smoking should be prohibited in area where this material is handled, stored and processed. Appropriate personal protective equipment: see Section 8. Always keep in containers made from the same material as the original one.

7.2 Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Store in a cool, well-ventilated area away from incompatible materials and ignition sources. Keep out of the reach of children. Keep away from: Oxidizing agents, strong alkalis, strong acids. No smoking. Prevent unauthorized access. Containers that are opened must be carefully resealed and kept upright to prevent leakage.

7.3 Specific end use(s)

See separate Product Data Sheet for recommendations or industrial sector specific solutions.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Product/ingredient name	Exposure limit values
2-butoxyethoxy)ethanol Kerosine (petroleum), hydrosulfurized 2-methylisothiazol-3(2H)-one	ACGIH TLV (United States, 1/2024) TWA 8 hours: 10 ppm. Form: Inhalable fraction and vapor. ACGIH TLV (United States, 1/2024) [Kerosene] A3. Absorbed through skin. TWA 8 hours: 200 mg/m³ (as total hydrocarbon vapor). DFG MAC-values list (Germany, 7/2023) Skin sensitizer.

Recommended monitoring procedures

Reference should be made to appropriate monitoring standards. Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

8.2 Exposure controls

Appropriate engineering controls

Arrange sufficient ventilation by local exhaust ventilation and good general ventilation to keep the airborne concentrations of vapors or dust lowest possible and below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

Individual protection measures

General :

Gloves must be worn for all work that may result in soiling. Apron/coveralls/protective clothing must be worn when soiling is so great that regular work clothes do not adequately protect skin against contact with the product. Safety eyewear should be used when there is a likelihood of exposure.



Hygiene measures :

Wash hands, forearms, and face thoroughly after handling compounds and before eating, smoking, using lavatory, and at the end of day.

Eye/face protection :

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.

Hand protection :

Wear chemically resistant gloves (tested to EN374) in combination with 'basic' employee training. The quality of the chemical-resistant protective gloves must be chosen as a function of the specific workplace concentrations and quantity of hazardous substances.

Since the actual work situation is unknown. Supplier of gloves should be contacted in order to find the appropriate type. Below listed glove(s) should be regarded as generic advice:

Recommended: Silver Shield / Barrier / 4H gloves, nitrile rubber (>0.3 mm), neoprene rubber (>0.1 mm), butyl rubber (>0.5 mm), natural rubber (latex) (>0.4 mm), polyvinyl chloride (PVC), Viton®, nitrile rubber (>0.1 mm), butyl rubber (>0.3 mm)

Short term exposure: polyvinyl alcohol (PVA)

Body protection :

Personal protective equipment for the body should be selected based on the task being performed and the risks involved handling this product.

Respiratory protection :

Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. Wear appropriate respirator when ventilation is inadequate. Be sure to use approved/certified respirator or equivalent. It is not possible to specify precise filter type, since the actual work situation is unknown. Supplier of respirators should be contacted in order to find the appropriate filter.

Environmental exposure controls

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state :	Liquid.
Odour :	Non-characteristic.
pH :	7- 9
Melting point/freezing point :	Testing not relevant or not possible due to nature of the product.
Boiling point/boiling range :	Testing not relevant or not possible due to nature of the product.
Flash point :	Closed cup: 98°C (208.4°F)
Evaporation rate :	Testing not relevant or not possible due to nature of the product.
Flammability :	Flammable in the presence of the following materials or conditions: open flames, sparks and static discharge and heat.

Vapour pressure :

	Vapour Pressure at 20°C			Vapour pressure at 50°C		
Ingredient name	mm Hg	kPa	Method	mm Hg	kPa	Method
 water	17.5	2.3				

Vapour density :	Not available.
Specific gravity :	1.37 g/cm ³
Partition coefficient (LogKow) :	Testing not relevant or not possible due to nature of the product.
Auto-ignition temperature :	Not available.
Decomposition temperature :	Testing not relevant or not possible due to nature of the product.
Viscosity :	Testing not relevant or not possible due to nature of the product.
Explosive properties :	Testing not relevant or not possible due to nature of the product.
Oxidising properties :	Testing not relevant or not possible due to nature of the product.

9.2 Other information

Solvent(s) % by weight :	Weighted average: 5 %
Water % by weight :	Weighted average: 33 %
VOC content :	64.2 g/l
TOC Content :	Weighted average: 48 g/l
Solvent Gas :	Weighted average: 0.01 m ³ /l

SECTION 10: Stability and reactivity

10.1 Reactivity

No specific test data related to reactivity available for this product or its ingredients.

10.2 Chemical stability

The product is stable.

10.3 Possibility of hazardous reactions

Under normal conditions of storage and use, hazardous reactions will not occur.

10.4 Conditions to avoid

No specific data.

10.5 Incompatible materials

Reactive or incompatible with the following materials: oxidising materials and acids.
Slightly reactive or incompatible with the following materials: reducing materials.

10.6 Hazardous decomposition products

When exposed to high temperatures (i.e. in case of fire) harmful decomposition products may be formed:
Decomposition products may include the following materials: carbon oxides metal oxide/oxides

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Exposure to component solvent vapor concentrations may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Solvents may cause some of the above effects by absorption through the skin. Symptoms and signs include headaches, dizziness, fatigue, muscular weakness, drowsiness and, in extreme cases, loss of consciousness. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin, resulting in non-allergic contact dermatitis and absorption through the skin. If splashed in the eyes, the liquid may cause irritation and reversible damage. Accidental swallowing may cause stomach pain. Chemical lung inflammation may occur if the product is taken into the lungs via vomiting.

Acute toxicity

Product/ingredient name	Result	Dose / Exposure	Effects
 (2-butoxyethoxy)ethanol	Rat - Oral - LD50	4500 mg/kg	Toxic effects: Behavioral - Tetany Lung, Thorax, or Respiration - Dyspnea Liver - Other changes
Kerosine (petroleum), hydrodesulfurized 2-methylisothiazol-3(2H)-one	Rabbit - Dermal - LD50	2700 mg/kg	
	Rat - Oral - LD50	>5000 mg/kg	
	Rat - Female - Oral - LD50	183 mg/kg	
	Rat - Dermal - LD50	242 mg/kg	
	Rat - Inhalation - LC50 Dusts and mists	0.11 mg/l [4 hours]	

Acute toxicity estimates

Route	ATE value
No known significant effects or critical hazards.	

Irritation/Corrosion

Product/ingredient name	Result	Species	Exposure
 (2-butoxyethoxy)ethanol	Rabbit - Eyes - Severe irritant	Duration of treatment/ exposure: 24 hours	Amount/concentration applied: 20 milligrams
Kerosine (petroleum), hydrodesulfurized 2-methylisothiazol-3(2H)-one	Rabbit - Skin - Moderate irritant		Amount/concentration applied: 500 milligrams
	Rabbit - Skin - Moderate irritant		

Sensitiser

Product/ingredient name	Species - Route of exposure	Result
 methylisothiazol-3(2H)-one	Guinea pig - skin	Result: Sensitising

Mutagenic effects

No known data available in our database.

Carcinogenicity

No known data available in our database.

Reproductive toxicity

No known data available in our database.

Specific target organ toxicity (single exposure)

Product/ingredient name	Category	Route of exposure	Target organs
 Kerosine (petroleum), hydrodesulfurized	Category 3		Narcotic effects

Specific target organ toxicity (repeated exposure)

Product/ingredient name	Category	Route of exposure	Target organs
Not available.			

Aspiration hazard

Product/ingredient name	Result
Kerosine (petroleum), hydrodesulfurized	ASPIRATION HAZARD - Category 1

Information on likely routes of exposure

Routes of entry anticipated: Oral, Dermal, Inhalation.

SECTION 11: Toxicological information

Potential chronic health effects

No known significant effects or critical hazards.

Other information : No additional known significant effects or critical hazards.

SECTION 12: Ecological information

12.1 Toxicity

Do not allow to enter drains or watercourses. Very toxic to aquatic life with long lasting effects.

Product/ingredient name	Result	Species	Exposure
2-(2-butoxyethoxy)ethanol	Acute - EC50	Algae	100 mg/l [96 hours]
2-methylisothiazol-3(2H)-one	Acute - LC50	Fish	1300 mg/l [96 hours]
	Acute - LC50 - Marine water	Crustaceans - Calanoid copepod - <i>Acartia tonsa</i>	0.056 ppm [48 hours]
	Acute - LC50	Fish	4.77 mg/l [96 hours]
	Acute - EC50	Algae	0.158 mg/l [72 hours]
	Acute - EC50	Algae	0.063 mg/l [96 hours]

12.2 Persistence and degradability

Product/ingredient name	Test	Result
2-methylisothiazol-3(2H)-one		98% [48 days] - Readily

12.3 Bioaccumulative potential

Product/ingredient name	LogP _{ow}	BCF	Potential
2-(2-butoxyethoxy)ethanol	1	-	Low
2-methylisothiazol-3(2H)-one	-0.32	3.16	Low

12.4 Mobility in soil

Product/ingredient name	logK _{oc}	K _{oc}
2-(2-butoxyethoxy)ethanol	1.56	36.5981
diuron (ISO)	2.4	250.231
2-octyl-2H-isothiazol-3-one	2.85	706.605
1,2-benzisothiazol-3(2H)-one	1.86	73.142
2-methylisothiazol-3(2H)-one	1.74	54.9187

Mobility : No known data available in our database.

Other adverse effects

No known significant effects or critical hazards.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

The generation of waste should be avoided or minimised wherever possible. Residues of the product is listed as hazardous waste. Dispose of according to all state and local applicable regulations. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

Packaging

The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

SECTION 14: Transport information

Transport may take place according to national regulation ADG for transport by road and train, IMDG for transport by sea, IATA for transport by air.

SECTION 14: Transport information

	14.1 UN no.	14.2 Proper shipping name	14.3 Transport hazard class(es)	14.4 PG*	14.5 Env*	Additional information
ADG Class	Not regulated.		-	-	No.	-
IMDG Class	Not regulated.		-	-	No.	-
IATA Class	Not regulated.		-	-	No.	-

PG* : Packing group

Env.* : Environmental hazards

14.6 Special precautions for user

Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

14.7 Transport in bulk according to IMO instruments

Not applicable.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Standard for the Uniform Scheduling of Medicines and Poisons

Not regulated.

Model Work Health and Safety Regulations - Scheduled Substances

Ingredient name	Schedule
No listed substance	

SECTION 16: Other information

Indicates information that has changed from previously issued version.

Classification	Justification
SKIN SENSITISATION - Category 1	Calculation method

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

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Description & Uses

GranolImpact is a pure acrylic, high performance coating able to applied in a variety of styles by roller or spray. As an acrylic membrane, the vapour permeability of GranolImpact is carefully controlled to form a barrier to external moisture, while allowing vapour in the substrate to escape. GranolImpact systems have good adhesion to a wide variety of substrates. GranolImpact also forms the final topcoat of many other Granosite systems, extending the performance and overall protection of the system applied. GranolImpact is water-based for applicator safety and ease of use.

Features & Benefits

- Good flexibility, elasticity and crack bridging
- Anti-carbonation coating system
- Excellent resistance to chloride ion diffusion
- Excellent resistance to dirt, mould and fungi
- Forms a barrier to external moisture while allowing vapour in the substrate to escape

Colours & Gloss

White, Light, Mid and Strong bases. Tint using Ecotint® to Wattyl Colour Designer® range of colours or other competitor colours.

Low Sheen.

For exterior application, it is recommended that the light-fastness of the chosen colour be confirmed before ordering.

Environmental Data & Certifications



Approved to Australia Paint Approval Scheme Specification APAS 0117/3.
Australian Standard AS4548.3

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Properties & Performance Guide

Dry & Recoat Times	Surface Dry - 4 hours Recoat - 6 hours Hard Dry - 7 days Figures are quoted at 25°C and at 50% humidity. Drying will take longer at lower temperatures or higher relative humidity.		
Density	1.38 Kg/L.		
Consistency	Thick, creamy paste.		
Texture	Low Profile (10-12mm pile roller)	High Profile (Medium black texture roller)	Airless (Airless Spray Gun)
Coverage per 2-Coat System	0.35 L/M ² (2.9M ² /L).	0.50 L/M ² (2M ² /L).	0.66 L/M ² (1.5M ² /L).
Wet Film Thickness	335 microns (approx).	500 microns (approx).	660 microns (approx).
Dry Film Thickness	160 microns (approx).	240 microns (approx).	320 microns (approx).
Moisture Control	Excellent, however, the coating should not be subject to hydrostatic pressure.		
Water Ponding	50.5 – Excellent (mg of water passed after 50 hours at 25°C and 50% relative humidity).		
Water Transmission	7.0 gm/24 hours/m ² (AS/NZS4548.5).		
Water Permeability	Passed (AS 2904 Appendix G – 6 metre head of water).		
Vapour Permeability	12.6 gm/m ² /24 hours (DIN 52615 (at 500um dry film build)).		
Vapour Transmission	35.6 gm/m ² /24 hours (AS/NZS4548.5), Sd 1.25m (AS/NZS4548.5).		
Carbon Dioxide Diffusion	Rb 459.6m (Engelfried Method).		
Chloride Ion Diffusion	1.3 x 10 ⁻⁹ cm ² sec ⁻¹ (Taywood in-house method).		
Abrasion Resistance	5,000 cycles – Film integrity excellent (AS 1580 459.1).		
Salt Spray	No effect (AS 2331.3.1).		
Elongation	524% (ASTM D-412 at 25°C).		
Tensile Strength	36.4 kg/cm ² (ASTM D-412 at 25°C).		
Crack Bridging	3.65 (Crack width bridged per unit dry film thickness).		
Dirt Pick-Up	1 – on a scale of 0 – 5 where “0” is no dirt retained (AS 1580 481.1.4 12 months).		
Thinning	Not required but may be thinned with up to 10% water for cutting in and spray applications. Thinning rates for airless spray will vary according to the brand of equipment used.		
Clean Up	Clean up with cold water away from drains. Protect Our Environment: Do not pour leftover paint down the drain. Unwanted paint should be kept in a sealed container, and then disposed of via special waste collection services. Empty paint containers should be left open in a well ventilated area to dry out. Disposal of empty paint containers may differ between local authorities. Check with your local council first.		
VOC (Volatile Organic Compounds)	VOC < 65g/L.		

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Recommended Substrate Conditions & Preparation

Surfaces are to be suitably prepared in accordance with proper trade practices.

GranoImpact may be applied to off-form concrete Class 2 (AS 1510) or equivalent, cement rendered fair-faced flush-jointed concrete block and brickwork (common, clay, concrete, Calsil®, and extruded), ExoTec®, CFC, tilt-up and pre-cast concrete, and paper-faced plasterboard. Make-good of the substrate is necessary if substrate imperfections are to be eliminated. Please refer to Technical Data Sheets (TDS) for GranoRender Sponge Fine Finish (G1.17), GranoRender Coarse (G1.18), GranoRender PM Medium (G1.25), GranoPatch Smooth (G1.04), GranoPatch Spackle (G1.05), GranoReady Render (G1.12) or GranoSponge Fine Acrylic (G1.21) where applicable. Additionally, in New Zealand, refer to the TDS's of Grano Adhesive Mortar (G1.06NZ), Grano Modified Render (G1.10NZ), Grano Sponge Finish (G1.25NZ), Grano Renovation Render (G1.17NZ) or Grano Lite-Weight Plaster® (G1.30NZ) where applicable. Surface preparation is the responsibility of the Builder, Renovator or Main Contractor and the Applicator. To achieve the indicated performance, application must be carried out according to Wattyl's recommendations.

Ensure the surface is clean and dry. All substrates must be free of dirt, dust, grease, oil, mould release agents, bondbreakers and any other contaminants that may interfere with adhesion.

Fresh cementitious substrates should be left for 14-28 days before coating. There must be less than 15% moisture content in the surface at the time of coating to ensure optimum coating performance.

The substrate must not be subjected to continual wetting, ponding water or hydrostatic pressure.

For specific substrate preparation, see relevant specification sheets.

Application Guide

Stir contents thoroughly with a power stirrer before use.

Apply two full coats by roller or airless spray to a correctly prepared and primed surface.

AIRLESS GUN SETTINGS: Tip 519 or 521. Pressure Setting 2500-3000psi.

Freshly applied material must be protected from frosts and rain for a minimum of forty-eight (48) hours.

Application **should not** be carried out if the air temperature or the substrate temperature is below 10°C or above 35°C or when humidity is very high. The temperature must not fall below 10°C during the drying process.

In exterior application avoid painting when dew or rain is likely.

Additional Data

Available in 15 litre containers.

Not suitable for horizontal roofs, ponds etc., or walk-on surfaces.

Tinted paint is non-refundable, so choose your colours carefully.

If using more than one container for the final coat, check that the colour is correct in all containers and mix the paint together to ensure colour consistency before starting.

Leave 7 days after application of final coat before washing. Wash using a sponge or soft cloth with warm water and mild detergent. Avoid harsh scrubbing and strong household cleaners.

Containers must be secured and stored upright during transit.

Containers must not be exposed to excessive heat or cold.

Storage must be under cover, away from direct heat, freezing and moisture, in well-sealed containers.

It is recommended that application be carried out by a skilled applicator, who is totally conversant with the Granosite products and systems, to validate full material warranty conditions.

The use of proprietary additives other than those manufactured by Wattyl is not recommended.

Do not use for any other purpose other than as specified in our literature.

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Safety Data

First Aid Instructions	For advice, contact the Poisons Information Centre on 131 126 (Australia), 0800 764 766 (New Zealand), or a doctor. If swallowed, do not induce vomiting. Give a glass of water to drink. If in eyes, wash out immediately with water. If inhaled remove from contaminated area to fresh air. If skin contact occurs, remove contaminated clothing and flush contaminated skin with water.
Safety Directions	Keep out of reach of children. Avoid contact with skin and eyes. Ensure adequate ventilation during use. Avoid prolonged breathing of vapour. Wash hands thoroughly after use.
Further Information	For the latest information refer to the Safety Data Sheet available on our websites. Australia: www.wattyl.com.au or contact Wattyl Assist on 132 101. New Zealand: www.wattyl.co.nz or contact Wattyl Assist on 0800 825 7727.

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(a) You review the Technical Data Sheets (TDS) and Safety Data Sheets (SDS) before you use or handle the product; (b) the product be used only in accordance with the information provided by Hempel (Wattyl); (c) the product be transported and handled in accordance with the SDS and relevant TDS; and (d) you thoroughly test the product, using the recommended application method on a sample of intended substrate, before using the product.

2. The information in the TDS was prepared using information gathered during product development. While Hempel (Wattyl) endeavour to update this information and maintain the accuracy of its contents, Hempel (Wattyl) cannot guarantee that the information is wholly comprehensive.

3. Hempel (Wattyl) recommend that you conduct such additional investigations as may be necessary to satisfy yourself of the accuracy, currency and comprehensiveness of the information on which you rely in using and handling the product. If you require further information please contact your nearest office of Hempel (Wattyl).

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