

TEXTURE SOLUTIONS
GRANOSHIELD MATT

RESOURCE CODE 86210-Line
NOVEMBER 2024
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Description & Uses

GranoShield Matt is a pure acrylic matt finish, high performance elastomeric coating designed to be applied by brush, roller or spray to a range of substrates including masonry, fibre cement sheets and polystyrene building systems. The vapour permeability of GranoShield Matt is carefully controlled to form a barrier to external moisture, while allowing vapour in the substrate to escape. It is, however, not suitable for situations where hydrostatic pressure exists. GranoShield Matt may be used as the final topcoat in many other Granosite systems, extending the performance and overall protection of the system applied. GranoShield Matt is water-based for applicator safety and ease of use.

Features & Benefits

- Good flexibility, elasticity and crack bridging
- 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.

Matt.

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 & 0118/2.

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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	1.35 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	0.50 L/M ² (2M ² /L).	0.66 L/M ² (1.5M ² /L).	0.80 L/M ² (1.25M ² /L).
Wet Film Thickness	500 microns (approx).	660 microns (approx).	800 microns (approx).
Dry Film Thickness	234 microns (approx).	310 microns (approx).	374 microns (approx).
Water Transmission	7.18 gm/24 hours/m ² (AS/NZS4548.5).		
Vapour Permeability	0.58 gm/m ² /24 hours (ASTM 1653-93 (at 400um dry film build)).		
Vapour Transmission	24.92 gm/m ² /24 hours (AS/NZS4548.5), Sd 1.79m (AS/NZS4548.5).		
Elongation	644% (AS/NZS 4548.1).		
Crack Bridging	4.76 (Crack width bridged per unit dry film thickness).		
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 < 45g/L.		

Recommended Substrate Conditions & Preparation

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

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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.

Safety Data

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

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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).

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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