

# GranoShield Matt®

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Resource Code 862101 Line  
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## DESCRIPTION

- 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 sheet and polystyrene building systems.
- Approved to APAS 0118/2 & APAS 0117/3.

## PRINCIPAL CHARACTERISTICS

- Suitable for interior or exterior use.
- GranoShield Matt® systems have good adhesion to a wide variety of substrates and have excellent resistance to mould and fungi.
- 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 of 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.

## COLOURS AND GLOSS

- Bases may be tinted as required. May also be tinted to other competitor colour ranges through the Granosite tinting system.
- It is recommended that, for exterior application, the light-fastness of the chosen colour be confirmed before ordering.
- Matt Finish

## BASIC DATA AT 25°C

- **Surface Dry** Four (4) hours
  - **Recoat** Six (6) hours
  - **Hard Dry** Seven (7) days
- All figures are quoted at 25°C and 50% Relative Humidity. Drying will take longer at lower temperatures or higher relative humidity.
- **Density** 1.35 Kg/L
  - **Consistency** Thick, creamy paste.
  - **Texture**

	<b>Low Profile</b>	<b>High Profile</b>	<b>Airless</b>
	(10-12mm pile roller)	(Fine black texture roller)	(Airless spray gun)
  - **Coverage per system** 0.50 L/M<sup>2</sup>      0.66 L/M<sup>2</sup>      0.80 L/M<sup>2</sup>
  - **Wet Film Thickness** 500 microns (approx)      660microns (approx)      800 microns (approx)
  - **Dry Film Thickness** 234 microns (approx)      310 microns (approx)      374 microns (approx)
  - **Vapour Permeability** 0.58 (gm/ m<sup>2</sup>/24 hrs) ASTM1653-93 (at 400um dry film build)
  - **Elongation** 644% AS/NZS 4548.1
  - **Crack Bridging** 4.76 (Crack width bridged per unit dry film thickness)

## RECOMMENDED SUBSTRATE CONDITIONS AND TEMPERATURE

- 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 paperfaced plasterboard. Make-good of the substrate is necessary if substrate imperfections are to be eliminated. Please refer to separate Datasheets for GranoRender® (G1.10), GranoPatch® Smooth (G1.04), 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 Granosite'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.

### RECOMMENDED SUBSTRATE CONDITIONS AND TEMPERATURE

- 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.
- Freshly applied material must be protected from frosts and rain for a minimum of forty eight (48) hours.
- Not suitable for roofs, ponds etc or walk on surfaces.
- For specific substrate preparation, see relevant specification sheets.

### INSTRUCTIONS FOR USE

- Stir contents thoroughly with a power stirrer before use.
- GranoShield Matt® is applied in two (2) coats by roller or airless spray to a correctly prepared and primed surface.
- **AIRLESS GUN SETTINGS**  
Tip            519 or 521                                  Pressure Setting            2500 to 3000 psi

### SAFETY DATA

- **Caution**                                  Provide adequate ventilation during use.
- **Spills and Disposal**                  Do not allow spilt material to enter drains or other watercourses. Absorb spills with sand or other inert material. Unwanted paint should be kept in a sealed container, such as an empty paint can, and disposed of via special waste collection services. Check with your local Council regarding the disposal of empty paint containers
- **M.S.D.S.**                                  A Material Safety Data Sheet (M.S.D.S.) is available on request.
- **First Aid**  
If swallowed **do not** induce vomiting. Give plenty of water to drink. Contact a doctor or the Poisons Information Centre. Phone 131126 (Australia).  
If in eyes, hold eyes open and flood with water for at least 15 minutes. Contact a doctor if any irritation occurs.  
If on skin remove contaminated clothing, wash skin thoroughly with soap and water or a proprietary skin cleanser. Do not use solvents.  
If affected by inhalation remove person to fresh air. If breathing difficulties persist or occur later, contact a doctor.

### ADDITIONAL DATA

- Available in 15 litre containers.
- 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.
- For further information, contact the Granosite Information Hotline. Phone 132101(Australia).

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1. This information is provided with respect to the listed Granosite products. Wattyl recommends that: (a) you review the Technical Data Sheets (TDS) and Material Safety Data Sheets (MSDS) before you use or handle the product; (b) the product be used only in accordance with the information provided by Wattyl; (c) the product be transported, stored and handled in accordance with the information on the MSDS 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 this technical data sheet was prepared using information gathered during product development. While Wattyl endeavours to update this information and maintain the accuracy and currency of its contents, Wattyl cannot guarantee that the information provided is wholly comprehensive.
3. Wattyl recommends 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 Wattyl Office.
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