

GranoRender®

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Resource Code 849542
December 2003

DESCRIPTION

- GranoRender® is a high quality pre-blended, cementitious rendering and screeding material specifically designed for thin section rendering in one application of 2-8mm.

PRINCIPAL CHARACTERISTICS

- Suitable for interior or exterior use.
- Applies with exceptional ease to provide a wood float or sponge finish.
- Can be applied between 2-8mm thicknesses in one application.
- Applications less than 4mm require the addition of GranoBond to the gauging milk.
- Superior application and adhesion properties when compared to conventional sand and cement render.

COLOURS AND GLOSS

- Grey

BASIC DATA AT 25°C

- | | |
|------------------------------|--|
| • Surface Dry | Four (4) hours. |
| • Recoat | Twenty four (24) hours, if required |
| • Fully Cured | 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. |
| • Consistency | Dry powder |
| • Texture | Grainy |
| • Pot-Life | Three – four (3-4) hours when mixed |
| • Coverage per coat | 4.00Kg/M ² per 2mm film thickness |
| • Clean-up | Thoroughly clean equipment with water. |
| • Weatherability | Excellent |
| • Abrasion Resistance | Excellent |

RECOMMENDED SUBSTRATE CONDITIONS AND TEMPERATURE

- GranoRender® is suitable for application to Autoclaved Aerated Concrete (AAC) blocks or panels off-form concrete and any other fair-faced, flush and straight laid concrete block or brickwork (common, clay, Calsil and extruded bricks), conpolcrete, extruded & expanded polystyrene block and panels.
- 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 Watty's recommendations.
- Ensure the surface is clean and dry. All substrates must be free of dirt, grease, oil, mould, release agents, bondbreakers or any other contaminants that may interfere with adhesion. Fresh cementitious substrates should be left for a minimum of 28 days before coating. There must be less than 15% moisture Wood Equivalent in the surface at the time of coating to ensure optimum coating performance.
- Note:** Porous substrates must be sealed with GranoSeal® (G1.14) reduced 1:1 with water. Apply by roller or spray at 0.12 L/M² allow to dry 2-6 hours prior to applying GranoRender®.
- Note:** Soft substrates such as conpolcrete, expanded & extruded polystyrene blocks or panels require the addition of GranoBond® (G1.01) 1 part to 4 parts water as the 'milk' in place of gauging water. The use of this "milk" is essential to these substrates.
- 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.

INSTRUCTIONS FOR USE

Application greater than 4mm thickness

- Mix one (1) 20 kg bag of GranoRender® to approximately 4.0 litres of water. Add the powder to the water steadily and mix with a power stirrer until it is smooth and lump free. GranoRender® has a pot-life of 3-4 hours when mixed.
- Trowel one (1) coat of GranoRender® @ 8.00Kg/M² per 4mm film thickness. Allow 24 hours to dry. Apply an additional coat of GranoRender® if required.

Application less than 4mm thickness

- For the application less than 4mm of GranoRender®, dilute GranoBond® (G1.01) 1 part to 4 parts water and use this 'milk' in place of gauging water.
- Mix one (1) 20 kg bag of GranoRender® to approximately 4.0 litres of GranoBond® (G1.01) milk. Add the powder to the water steadily and mix with a power stirrer until it is smooth and lump free. GranoRender® has a pot-life of 3-4 hours when mixed.
- Trowel one (1) coat of GranoRender® @ 4.00Kg/M² per 2mm film thickness. Allow 24 hours to dry. Apply an additional coat of GranoRender® if required.

Curing

- Keep damp for the first 12 hours to ensure full curing strength is developed. This is critical in windy conditions or when humidity is low.
- Allow to fully cure for 7 days or when moisture content is no greater than 15% wood equivalent before topcoating.

SAFETY DATA

- **Caution** Provide adequate ventilation during use. Avoid inhalation of the powder, prolonged skin contact and particularly eye contact. Wear protective clothing to minimise skin contact and wear goggles where splatter is likely.
- **Spills and Disposal** Do not allow spilt material to enter drains or other watercourses. Sweep up and dispose of waste in sealed containers to minimise dust. Disposal of waste is subject to statutory control. Consult your local authority for disposal guidelines.
- **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 20 kg bags.
- Bags must be dry during transport and storage.
- Bags must not be exposed to moisture, excessive heat or cold.
- **Shelf Life:** Three (3) months, if stored appropriately. This must include storage under cover, above ground, away from direct heat and moisture.
- 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 Wattyl Information Hotline. Phone 132101(Australia).

GRANORENDER® IS A SURFACE PREPARATION PRODUCT AND IS USED IN CONJUNCTION WITH VARIOUS GRANOSITE SYSTEMS. AS SUCH IT IS NOT A SYSTEM IN ITSELF AND SHOULD ONLY BE USED WHERE SPECIFIED.

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

GranoBond®

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Resource Code 849407
December 2003

DESCRIPTION

- GranoBond® is a pure acrylic water based admixture for cement mixes, concrete and hard wall plaster.

PRINCIPAL CHARACTERISTICS

- Suitable for interior or exterior use.
- GranoBond® improves flexibility, adhesion, tensile strength and abrasion resistance of cementitious and plaster mixes, particularly where a thin section rendering is required.
- Helps prevent drummy render and reduces shrinkage and temperature cracking.
- Increases workability and aids cement curing by retarding water loss and minimising burn off.
- Greatly increases adhesion and provides a permanently high bond strength when used in cementitious tile beds.

BASIC DATA AT 25°C

- **Topcoat** Twenty four (24) hours curing time is required for GranoBond® Keycoat before application of the selected GranoSite system.
All figures are quoted at 25°C and 50% Relative Humidity. Drying will take longer at lower temperatures or higher relative humidity.
- **Density** 1.04 kg/L
- **Consistency** Milky liquid
- **Pot-Life** Two (2) hours when mixed.
- **Coverage per coat** System dependent
- **Adhesion** Excellent
- **Clean-up** Thoroughly clean equipment with water.

RECOMMENDED SUBSTRATE CONDITIONS AND TEMPERATURE

- GranoBond® is an admixture and its suitability for substrates is dependent upon the mix into which it is incorporated.
- 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 Watty's recommendations.
- Ensure the surface is clean and dry. All substrates must be free of dirt, grease, oil, mould, release agents, bondbreakers or any other contaminants that may interfere with adhesion. Fresh cementitious substrates should be left for a minimum of 28 days before coating. There must be less than 15% moisture Wood Equivalent in the surface at the time of coating to ensure optimum coating performance.
- 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.

INSTRUCTIONS FOR USE

GranoBond® Keycoat as a coating provides excellent adhesion to difficult substrates such as ceramic tiles, polished stone and other very dense materials.

GranoBond® Keycoat: GranoBond® 1 Part by volume
Water 2 Part by volume
Grey Cement 4 Part by volume
Sand (fine) 2 Part by volume

Mix to a smooth liquid. Apply liberally by broom or brush at approximately 0.5L/M² within two (2) hours of mixing. Allow twenty four (24) hours to dry before top coating. GranoBond® Keycoat can also be used as a splash coat.

Where a bondcoat for concrete toppings, patches or where screed coats are required, GranoBond® Bondcoat is used.

GranoBond® Bondcoat: GranoBond® 1 Part by volume
Water 2 Part by volume

Mix until smooth and lump free. This is brush or roller applied at approximately 0.15 L/M² and topcoated **WHILE STILL TACKY**.

INSTRUCTIONS FOR USE – Continued

GranoBond® Milk: GranoBond® 1 Part by volume
Water 4 Part by volume

Mix until consistent. Use this "milk" in place of gauging water when using GranoPlast® (GR1.06) or GranoRender® (GR1.10).

SAFETY DATA

- **Caution** Provide adequate ventilation during use.
- **Spills and Disposal** Do not allow spill 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 Watty Information Hotline. Phone 132101(Australia).

GRANOBOND® IS A SURFACE PREPARATION PRODUCT AND IS USED IN CONJUNCTION WITH VARIOUS GRANOSITE SYSTEMS. AS SUCH IT IS NOT A SYSTEM IN ITSELF AND SHOULD ONLY BE USED WHERE SPECIFIED.

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 - (d) you thoroughly test the product, using the recommended application method on a sample of intended substrate, before using the product.
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4. To the full extent permitted by law, Watty's liability for breach of a condition or warranty implied into the contract for sale between Watty and you by law is limited at Watty's election to: (a) the replacement of the product; or (b) payment of the cost of replacing the product.