

KGM-400

General Purpose Primer Technical Data Sheet



Description

KGM-400 is a single component, general purpose primer used to enhance the bond of water-based coatings, screeds, mortars and renders. KGM-400 is a penetrative primer with good adhesion properties on porous substrates including concrete, masonry and fibre cement sheeting.

Uses

KGM-400 should be used to prime porous substrates over which a water-based membrane or coating will be applied.



Typical Areas of Application

- Internal & external areas for priming water-based membranes
- Dry surfaces
- Concrete & masonry substrates
- Fibre-cement sheeting

Advantages

- Aids the adhesion of water-based membranes to the surface
- Easy to apply
- Fast drying
- Very economical
- Solvent-free, non-flammable and free of hazardous odours
- Safe and environmentally friendly
- Single part (no mixing of components)
- Compatible with concrete, masonry & fibre cement

Design Criteria

All works must be carried out as per Australian Standards AS:4654.2- 2012 - Waterproofing Membrane Systems for Exterior Use and AS:3740-2010 - Waterproofing of Wet Areas within Residential Buildings.

Special consideration is needed with every application of waterproofing. For applications not listed above, please contact your nearest KGM supplier for a project specific recommendation.

Physical Properties

Form:	Liquid
Colour:	Milky white, dries clear
Specific gravity of mixed product:	1.01kg/litre
Application temp range:	10 - 30°C
Packaging:	15 litre bucket
Curing:	Touch dry: 15-30 minutes @ 23°C Re-coat: 30 minutes @ 23°C
Clean-up:	Use water when wet; use high pressure water clean or soapy solutions when dry

Coverage

Approximately 6m² per litre, depending on surface porosity.

Storage

KGM-400 can be stored unopened for 12 months, based on manufacturers batch date, in a cool, dry place below 23°C. Avoid exposure to humidity or temperatures above 50°C for extended periods. Product is sensitive to air, therefore opened containers must be used immediately.

Application Instructions

1. **Prep work** - surface must be made good and should be sound, stable, dry, clean and free from contaminants such as dust, loose flaking material and substances that may diminish adhesion such as existing coatings, laitance, release agents, curing compounds and oil/grease residues.
2. **Application** - for non-exposed areas and where the moisture content of the surface is very low, apply KGM-400 primer at the rate of 1 litre to 6m² to vertical or horizontal surface areas by brush, roller, soft broom or spray. Excessively porous and dusty surfaces may require an additional priming coat.
3. **Membrane Coating** - For best results, the subsequent membranes or coatings should be applied to the primed surface as soon as the primer has fully dried and before the surface is contaminated with dust or other substances.

Safety

Before using or handling materials, please read all relevant Material Safety Data Sheets (MSDS). KGM-400 is user-friendly, however avoid contact with skin and eyes. Wear suitable gloves and eye/face protection. If on skin, remove contaminated clothing and wash skin with soap and water. If in eyes, flush with water holding eyelids open to remove product from under lids. Product is non-flammable.

Warranty

The seller warrants that at the time of shipment its products are free from manufacturing defects and, when applied in accordance with the current specification and application instructions, will perform as so stated in its product literature. Project specific warranties are available on request. Please consult your nearest distributor for further information.

Limitations

- KGM-400 is not recommended for particle board or chipboard.
- It is not suitable for use on metal, non-porous surfaces, shiny or very smooth concrete, glazed tiles, marble, terrazzo or solvent-based finishes.
- It is not a vapour barrier. For exposed areas such as roofs or where there is a risk of entrapped moisture in the surface which can cause membrane to bubble, please use KGM-500 primer.
- It is not designed for use as an exposed or trafficable sealer.
- Not to be used for applications in immersed areas.

Product Disclaimer

The technical details, recommendations and other information contained in this data sheet are given in good faith and represent the best of our knowledge and experience at the time of printing. It is your responsibility to ensure that our products are used and handled correctly and in accordance with any applicable Australian Standard. Our instructions and recommendations are only for the uses they are intended. KGM Australia does not accept any liability either directly or indirectly for any losses suffered in connection with the use or application of the product. We also reserve the right to update information without prior notice to reflect ongoing research and development programs. The supply of our products and services is also subject to certain terms, warranties and exclusions, which may have already been disclosed to you in prior dealings or are otherwise available to you on request. You should make yourself familiar with any relevant items.

Technical Support

For any additional information not expressed in this document, please contact us via the details below.