

KGM-300

UV Stable Acrylic Membrane Technical Data Sheet



Description

KGM-300 is a single component, water-based UV stable, acrylic waterproofing Class II membrane. KGM-300 is an elastomeric, environmentally friendly membrane. It cures to form a durable, UV resistant, non-hazardous, seamless membrane that is resistant to weathering.

Uses

KGM-300 has been formulated for most waterproofing applications requiring long term waterproofing and designed for exposed external applications.

Typical Areas of Application

- Exposed concrete awnings & roofs
- Blockwork and masonry walls
- Facades and parapet walls

Advantages

- Durable flexible Class II membrane
- Resistant to UV exposure
- Easy to apply
- Fast curing
- Low odour
- Environmentally friendly, low VOC & non-hazardous
- Suitable for light foot traffic

Design Criteria

All works must be carried out as per Australian Standards AS:4654.2-2012 - 'Waterproofing Membrane Systems for Exterior Use'.

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:	Grey
Elongation at break:	< 300% @ 25°C
Application temp range:	10 - 30°C
Packaging:	15 litre bucket
Curing:	Touch dry: 1-2 hours @ 25°C Re-coat: 4-6 hours @ 25°C

Coverage

One 15 litre bucket will cover on average 10m² applying two coats.

Storage

KGM-300 can be stored unopened for 12 months, based on manufacturers batch date, in a cool, dry place below 25°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** - surfaces must be made good and should be sound, stable, dry, clean and free from contaminants such as dust, loose flaking friable material and substances that may diminish adhesion.
- 2. Priming** - Use KGM-500 primer at no less than 1 litre per 4m². This primer can also be used on damp surfaces or over existing membranes. Particle board and bitumen must be primed with 2 coats of KGM-500, but we recommend a trial test patch before commencing the entire project. Excessively porous, friable and dusty surfaces may require an additional priming coat.
- 3. Detailing** - *Corners:* prime as required. Apply a 35mm cloth tape bond breaker in accordance with the manufacturer's instruction, insure all edges of the tape are sealed and no bubbling to the bond breaker before applying the membrane.
Joints, Gaps and Cracks: General- they should be treated with a 35mm cloth tape depending on the substrate. Small cracks should be covered with a flexible polyurethane sealant or additional coats of membrane.
Large or live cracks: they should be treated with a 35mm bond breaker cloth tape depending the substrate and manufacturer's instructions. The sealant should be finished slightly proud of the surface and allowed to cure.
Waste Outlets: floor wastes and puddle flanges should be rebated in to allow water to readily drain.
Plastic or metal angles: where required by the Building Code such as internal hobs and exterior door barriers should be securely embedded in to a continuous gap free bed of a polyurethane sealant/mastic.
- 4. Membrane Coating** - stir well. Do not thin product down. Apply KGM-300 liberally to surface area by brush or roller. Ensure no air pockets are formed by back rolling or lightly combing the wet surface. Apply a minimum of 2 coats. To perform correctly, the total dry film thickness of the membrane must be at least 1mm - 1.2mm.

Safety

Before using or handling materials, please read all relevant Material Safety Data Sheets (MSDS). KGM-300 is user-friendly and safe to use, however avoid contact with skin and eyes. Wear suitable gloves and eye/face protection. Product is non-flammable.

Limitations

- Do not apply when air temperature is below 10°C and above 30°C. Do not allow to freeze.
- Product is not designed for heavy foot traffic.
- Do not apply product directly onto damp surfaces.
- Do not thin product in any form.

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.

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.