

KGM-425

General Purpose Solvent-Based Primer Technical Data Sheet



Description

KGM-425 is a solvent-based primer designed to deeply seal the substrate to achieve maximum adhesion for subsequent coatings. The chemical bond between the KGM-425 and KGM-100 is exceptionally strong. KGM-425 dries by evaporation of the solvent and then cures upon contact with water vapour in the air.

Uses

KGM-425 is formulated to prime most surfaces prior to using KGM-100, including concrete, cement and cement render; timber; plaster board and fibre-cement sheeting; brick and block work.

Typical Areas of Application

- Concrete, cement and cement render
- Fibre-cement based sheeting
- Timber
- Plaster board
- Brick and block work

Advantages

- Provides a strong bond to the substrate
- Enhances the performance and functionality of the KGM-100 waterproofing membrane
- Easy to apply
- Dries quickly
- Single pack

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:	Clear
Application temp range:	10°C to 35°C
Specific Gravity:	1.00 ± 0.03 gr/ml
Packaging:	15L bucket
Drying & Curing: Surface:	2-3 hrs @ 23°C & 50% RH
Ready for foot traffic:	12-18 hours @ 23°C & 50% RH
Full cure:	4 days @ 23°C & 50% RH
Shore A Hardness:	90 ± 5
Adhesion to concrete:	2.0 ± 0.3 N/mm ²
Heat resistance:	-20°C to 80°C

Coverage

Approximately 4m² per litre per coat.

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, friable material and substances that may diminish adhesion.
2. **Application** - apply KGM-425 primer by brush, roller, squeegee or spray. Allow the product to dry before applying KGM-100. KGM-425 dries by evaporation of the solvent and then cures upon contact with water vapour in the air.
3. **Membrane Coating** - For best results, the subsequent membranes or coatings should be applied to the primed surface as soon as the primer has cured but with sufficient time for absorbed solvent to evaporate from the substrate. This is best done within 36 hours of applying KGM-425. Longer periods will diminish the cross-linking bond between the 2 coats. Clean equipment with solvent immediately after use.

Storage

KGM-425 can be stored unopened for 6 months in a cool, dry place below 25°C, away from naked flames or any other ignition sources. Keep out of reach of children.

Safety

Before using or handling materials, please read all relevant Material Safety Data Sheets (MSDS). KGM-425 contains solvent and is flammable. Wear suitable gloves, eye/face protection such as goggles, coveralls and safety footwear. Avoid contact with skin and eyes. If on skin, remove contaminated clothing and wash skin with soap and water. If in eyes, flush with water holding eye lids open to remove product from under lids. Ensure adequate ventilation is present when applying the product. In confined areas, ensure fresh air supply is provided. In severe cases, self-contained breathing apparatus may be required. Keep all sources of ignition away from the product.

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-425 should not be used as a primary waterproofing membrane.
- It should only be used in conjunction with KGM-100 waterproofing membrane.
- KGM-425 should not be used to dilute KGM-100 in any way.
- KGM-425 is designed predominately for external applications and care should be taken when using internally.
- KGM-425 is not a vapour barrier and should only be used when there is a very low risk of entrapped moisture in the slab.
- KGM-425 should not be used as a primer on roofs or exposed areas. The preferred primer for these areas is KGM-500.

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.