

KGM-125

Polyurethane Aliphatic Top Coat Technical Data Sheet



Description

KGM-125 is a single component, aliphatic polyurethane waterproofing top coat which has been formulated as a complementary and compatible top coat for KGM-100. KGM-125 forms a tough, flexible, seamless, waterproof coating. Aliphatic technology provides greater UV protection, colour fastness and anti-chalking properties to extend the life of exposed polyurethane.

Uses

KGM-125 is primarily formulated as a highly UV stable top coat over KGM-100 for specific exposed areas to give greater long term protection.



Typical Areas of Application

- Exposed concrete roof decks
- Brick and blockwork
- Project specific areas

Advantages

- Provides seamless membrane without joints or laps.
- Provides excellent UV protection
- Fast cure - usually within 24 hours
- Single pack, no mixing required
- Easy to apply and repair
- Colour fast and anti-chalking
- Permanently flexible
- Compatible with waterproofing membranes
- High strength and puncture resistant
- Good chemical resistance
- Provides long term protection
- Suitable for immersion in water
- Tar-free - does not bleed

Design Criteria

All works must be carried out as per Australian Standards AS4654.2: 2012 - Waterproofing Membrane Systems for Exterior Use.

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

Physical Properties

Form:	Elastomeric liquid
Colour:	Clear
Packaging:	15L bucket
Elongation at break:	≥ 250%
Specific Gravity:	1.00 ± 0.03 gr/ml
Curing:	Surface: 8-12hrs @ 23°C 50%RH Ready for foot traffic: 24-36 hrs @ 23°C 50%RH Full cure: 7 days @ 23°C 50%RH
Tensile Strength:	6 N/mm ²

Coverage

The approximate coverage is 3m² per litre per coat. It may vary according to type, condition, texture of the surface and application technique.

Application Instructions

1. **Prep work** - good preparation is essential. 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.

Over New Membrane - providing the membranes are clean, dry and that KGM-125 is being applied within 48 hours of applying KGM-100, no other preparation is required.

Over Existing Membrane - KGM-125 may be applied to 'aged' KGM-100. These surfaces must be dry, clean and free of dirt, dust and contaminants. If there is oil, then clean with detergent, flush and allowed to dry. The surface should be wiped down with Xylene to rejuvenate the top layer and allowed to flash off before applying KGM-125.

2. **Application** - Apply KGM-125 to membranes by brush, roller, broom and squeegee usually in one or two coats at the rate of 3m² per litre per coat. For non-slippery surface formation, 0.1-0.3mm quartz may be applied during curing.
3. **Clean up** - Avoid spills as it is difficult to clean off, particularly porous surfaces. For wet spills, use a cloth and solvent. Do not clean off carpets. Allow product to cure and then shave the carpet.

Limitations

- KGM-125 is not intended to be a trafficable membrane. It is, however, suitable for maintenance foot traffic.
- Care must be taken not to damage the membrane if covering with drainage cloth and pebbles.

Storage

KGM-125 can be stored unopened for 6 months in a cool and dry area. Keep away from heat, flame, combustible material and all sources of ignition. Product contains flammable solvents. Class 3 Dangerous Goods must be declared prior to transportation.

Safety

Before using or handling materials, please read all relevant Material Safety Data Sheets (MSDS) for full safety information.

Use for intended purposes only. KGM-125 is solvent-based. Observe good industrial hygiene: wear suitable gloves, eye/face protection like goggles and protective clothing. If on skin, remove contaminated clothing and wash skin immediately with soap and water. If in eyes, immediately flush thoroughly with water, holding open lid to ensure any trapped product may be flushed away. If inhaled, unlikely due to viscosity of the product, remove person to fresh air and apply artificial respiration if required and seek urgent medical attention. If swallowed, do not induce vomiting, give plenty of water to drink. See urgent medical advice. Do not use in confined areas with poor ventilation. Vapour may collect in low lying areas. If spraying in confined areas, the use of self-contained breathing apparatus is recommended. Keep away from flame and all sources of ignition as uncured/wet product is 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.

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.