

KGM-525

Solvent-Free Specialty Primer Technical Data Sheet



Description

KGM-525 is a solvent-free primer with excellent adhesion properties for use on metallic, smooth, dense and non-porous surfaces. KGM-525 is fast drying and non-flammable and enables the adhesion of a wide range of paints, coatings, membranes and adhesives over non-absorbent surfaces.

Uses

KGM-525 is used to prime over galvanised iron, zincalume, stainless steel, copper, brass and most metals. It can also be used to prime dense concrete, painted surfaces, glazed tiles, PVC and rigid plastics and general non-porous and shiny surfaces.

Typical Areas of Application

- Internal and external priming applications
- Prime over galvanised iron, zincalume, copper, stainless steel, brass & most metals
- Prime over dense concrete
- Prime over glazed tiles
- Use on painted surfaces
- Use on PVC and rigid plastics
- Primer for water-based membranes

Advantages

- Excellent water resistance
- Fast drying
- Solvent-free
- No hazardous odours or VOC's
- Non-flammable

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:	Light green
Application temp range:	10 - 30°C
Packaging:	5 litre
Temperature resistance:	-20°C to 80°C
Specific gravity of mixed product:	1.3kg/litre
Viscosity:	4000mPa.s
pH:	8
Solubility:	100% soluble in a wet state
Curing:	Tack-free: 15 mins @ 23°C Dry film: 30 mins @ 23°C
Clean up:	Use water while in a wet state. Use high pressure clean or soapy solutions when dry.

Coverage

1 coat applied at 12m² per litre, depending on surface porosity. Use only water-based systems over KGM-525.

Storage

KGM-525 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. Keep out of reach of children.

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 material and substances that may diminish adhesion such as existing coatings, laitance, release agents, curing compounds and oil/grease residues. Holes, gaps, blowholes, honeycombed surfaces and non-structural cracks should be filled and made sound using a suitable non-shrink mortar. Surface voids, cracks (non-movement), pitted areas, low points, holes or deformed areas need to be repaired and filled/levelled with repair mortar or epoxy mortar repair systems to ensure the surface is made good before applying.
2. **Coating** - Apply by brush, roller or spray at the recommended application/coverage rate to produce a uniform solid coating.

KGM-525 must be allowed to cure for a minimum of 30 minutes before applying subsequent membranes, paints, toppings, etc.

Limitations

- KGM-525 can only be applied in immersed areas if overcoated with a compatible immersible grade waterproof membrane.
- KGM-525 is not suitable as an exposed or trafficable membrane.

Tiling Recommendations

It is permissible to tile, paint or acrylic render directly over KGM-525 with covering materials capable of adhering to water-based membranes. Please contact KGM Australia for further details.

Safety

Before using or handling materials, please read all relevant Material Safety Data Sheets (MSDS) for full safety data. KGM-525 is water-based containing no VOC's and is considered safe to use, however avoid contact with skin and eyes. Wear suitable gloves, eye/face protection and protective clothing. 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. Product is non-flammable. Good ventilation is recommended.

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.