K10 GRS 2000

ROOT RESISTANT WATERPROOFING MEMBRANE

ECO FRIENDLY · **SEAMLESS** · **ROOT RESISTANT**

DESCRIPTION

Davco K10 GRS 2000 is a liquid applied polyurethane elastomeric waterproofing membrane specially developed for use in roof gardens. Its root resistive property prevents the plant roots from tearing the waterproof membrane as they grow and flourish in the roof garden.

Davco K10 GRS 2000 is a concealed liquid applied waterproofing membrane that is easy to apply, allowing for fast, effortless and seamless application even in garden designs that are irregular and unique.

USES

- All types of roofs, balconies and decks.
- Retaining walls and basements.
- Waterproofing of planter boxes.
- Eliminates soldering of cracked non-ferrous roof valleys and flashings.

ADVANTAGES

- Environmentally friendly.
- Protects against root penetration.
- Easy to apply.
- Gives a seamless waterproofing system with high tensile strength.
- High durability.
- Remain effective under extreme weather condition.

TECHNICAL DATA

Solid content	85% ± 2
Viscosity	> 5000 cP
Elongation at break	> 500%
Shore hardness	35 (after two weeks)
Water vapour transmission	1.09 E-08
Tensile strength	1.8 N/mm²
Adhesion strength	> 0.9 N/mm²
Tear strength	> 250 N
Root resistance	Yes
Puncture resistance	860mm (drop height)
Depth of water penetration	0.2kg/cm² for 12 hrs

Specifications are subject to change without notification. Results shown are typical but reflect test procedures used. Actual field performance will depend on installation methods and site conditions.

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K10 GRS 2000

SURFACE PREPARATION

All surfaces to be treated must be as clean and dry as possible. It may be necessary to wire brush areas where dirt or scale cannot be removed, with a stiff broom.

Check surface for cracks, splits, flashing, coverings, etc. where cracks exceed 1 mm, they must be filled with fabric matting, followed by a liberal application of Davco K10 GRS 2000.

APPLICATION

Prime the substrate with a layer of GRS Primer.

Davco K10 GRS 2000 should be applied directly from the pail. Apply by brush one coat of Davco K10 GRS 2000 to the whole area and allow to cure, approx. 6-10 hours. (Temperature dependent)

Apply the 2nd coat in a perpendicular direction to the 1st coat. It may require third coat to achieve final thickness.

All joints in floors should preferably be treated with additional coat of Davco K10 GRS 2000.

Davco K10 GRS 2000 can be applied using brush or roller. Normally a minimum of 2 coats is required, unless a trowel method of application is adopted.

Where Davco K10 GRS 2000 has to be applied to above a height of 300mm from the floor level, fixed a wire mesh prior to applying the protective render to prevent cracking and to improve adhesion.

Ponding should be carried out at least 48 hours after the final application of Davco K10 GRS 2000. K10 GRS 2000 is not to be used as a trafficable top coat and is not resistant to permanent UV exposure and weathering.

COVERAGE

Recommended coverage approximately 0.8 - 1.2 kg/m^2.

PACKAGING

20 kg pail.

SHELF LIFE

Shelf life up to 12 months in unopened containers if stored in a cool dry place.
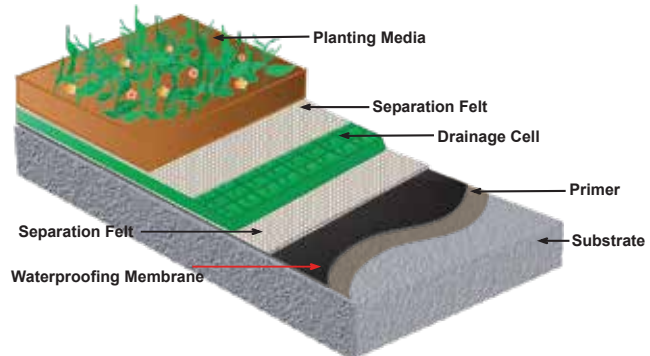
CLEANING

All tools and equipment should be cleaned immediately with clean water after use. Hardened material can only be removed mechanically.

HEALTH & SAFETY

Refer to safety data sheet.

Disclaimer
The use of this product is beyond the manufacturer's control and liability is restricted to the replacement of material proven faulty. The manufacturer is not responsible for any loss or damage arising from incorrect usage. Specifications are subjected to changes without prior notice. Before application, customers and users are requested to check that they have the latest version of this document from our website www.sika.com.sg

Planting Media
Separation Felt
Drainage Cell
Primer
Substrate
Separation Felt
Waterproofing Membrane

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Certificate SG95/06111

Certificate SG09/50075

GMS CERTIFICATION
ISO 14064 : 2006
Certificate GMS-C / GHG / 0002

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