BUILDING TRUST

PRODUCT DATA SHEET

Davco® K10 Rapid

A FLEXIBLE RAPID DRYING CLASS III WATERPROOFING MEMBRANE DESIGN FOR UNDER TILE APPLICATIONS.

DESCRIPTION

Davco® K10 Rapid is a flexible, rapid drying, Class III waterproofing membrane designed for internal and external applications.

USES

SURFACES
Most common substrates; concrete, cement renders, screed, lightweight blocks, prepared metal and pvc control leak flanges, building boards approved for wet areas, such as compressed fibre cement sheeting.

Areas
Suitable for interior and exterior applications. Commercial and domestic walls and floors including wet areas such as showers, bathrooms, terraces, balconies, roofs walkways prior to tiling, using Davco cement based adhesives. Also suitable for confined areas, as Davco K10 Rapid is water based and solvent free.
Davco® K10 Rapid can be used in conjunction with Davco K10 Plus as required.

CHARACTERISTICS / ADVANTAGES

- Rapid drying
- Class III highly flexible
- Ideal for cool and cold climate for faster drying
- Water based polyurethane
- Non-toxic & low VOC
- Suitable as an anti-fracture membrane prior to tiling applications

PRODUCT INFORMATION

Packaging	15 Litre pails / 32 pails per pallet
Colour	Yellow liquid/paste
Shelf life	If unopened 12 months from date of manufacture.
Storage conditions	Store in dry cool conditions out of direct sunlight. Do not allow product to freeze.
Volatile organic compound (VOC) content	Low VOC 40g/L (SCAQMD method 304-91)

APPLICATION INFORMATION

Consumption	Davco® K10 Rapid is designed to be applied to substrates in a minimum 2 coat application to acheive a 1mm dry film thickness. Each coat shall be applied at a minimum thickness 0.75mm per coat at wet film thickness. Apply additional coats to acheive the minimum 1mm dry film requirements. A 15Ltr pail will cover approximately 10m2 with 2 coats.
Applied Product Ready for Use	Allow membrane to dry for 3-4 hours at 22°C and 50% relative humidity prior to covering with tile or other suitable covering. Should flood testing be needed please allow membrane to dry for 24 hours prior to testing. Note: Drying times are measured in laboratory condition at 23°C and 50% relative humidity. Drying time is affected by temerature and environment conditions and wait time may be longer due to conditions beyond the manufacturers control. Drying times shall be used as a guide only.

BASIS OF PRODUCT DATA

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

LIMITATIONS OF USE

- Test product in an inconsipuous area first
- Do not apply in temperatures above 35ºC or below 5ºC
- Do not allow the product to freeze
- Delay external applications when inclement weather is imminent and protect from the ingress of water while drying
- Do not thin the liquid, it is supplied ready for use
- K10 Rapid is not recommended for use in areas of permanent water immersion like swimming pools, spas etc.
- Do not use where negative hydrostatic pressure is evident (i.e. rising damp), as it affects the bond of K10 Rapid. Contact Sika Australia for product recommendation in areas where negative hydrostatic pressure exists.
- Drying time can be affected by temperature and environment and drying time to be used as a guide only.
- For uses not mention on this product data sheet please contact Sika Australia.

IMPORTANT CONSIDERATIONS

- A test area should be undertaken to ensure suitability of product selection.
- For other uses not mentioned in these instructions, please contact Sika Australia technical services.

ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

APPLICATION INSTRUCTIONS

EQUIPMENT

- Personal protective equipment, safety glass, gloves etc
- Paint brush
- Medium nap paint roller

SUBSTRATE QUALITY

- All surfaces must be installed according to manufacturer's instructions and relevant Australian Standards and be structurally sound, dry, clean and free from movement, oil, grease, wax, curing compounds, release agents, efflorescence or any other loose or contaminating material. ▪ Prior to application, remove all sharp protrusions, which may pierce the membrane
- Avoid voids, potholes and divots in the substrate must be appropriately prepared with a Sika branded patching mortar.

Concrete

- All new concrete slabs must have a wood float finish and be allowed to cure for 6 weeks.
- Old concrete must be cleaned with a strong commercial grade detergent or degreaser. Residue must be thoroughly washed off with clean water. Allow the surface to dry for at least 24 hours.
- If the concrete has a steel trowel or power float finish, it must be mechanically prepared to expose the aggregate. Signs of Laitance and Efflorescence must be removed.
- Cement Render & Screeds Rendered or screeds must have a wood float finish and be allowed to cure for 7 days.
- Light Weight Blocks Prime the surface with 2 coats of Davco Ultraprime or Davco PrimeX

Metal drains and waterstop angles

- All metal surfaces must be free from rust Lightly ab-

rade/ sand the substrate prior to application of the Davco K10 Rapid
- PVC Control leak flanges Control leak flanges shall be recessed to avoid water pooling.
- Lightly sand control leak flanges prior to waterproofing application.

Bond Breaker
- Any suitable Sika neutral cure silicone sealant

Connector Sealants
- Any suitable Sikaflex PU sealant

Cracks - subject to movement (non structural)
- All cracks / joints, irrespective of their width, must be filled with a Sika branded Neutral cure silicone sealant. Then a 50mm wide polyethylene / polypropylene tape should be placed over the crack, ensuring it adheres to the surface.

Building Boards and Sheeting Standard
- Wall / floor building boards must be primed with a suitable Sika Branded primer and firmly fixed in accordance to manufacturer instructions and applicable Australian Standards. Such boards / sheeting include plasterboard, fibre cement sheeting, marine grade ply and wet area composition board. Check with the board / sheeting manufacturer for their suitability.
- Screw or nail heads must be treated with a Sika branded epoxy or a Sika connector sealant
- All sheeting joints need to be covered with a 50mm wide Polyethylene / Polypropylene tape.

Compressed Fibre Cement Boards
- This should be primed using Davco PrimeX. Allow the primer to dry before application of the membrane.

Falls to drains/wastes

In all applications, it is important that falls be provided to the drain outlet. The slope of this fall should conform to the minimum standards outlined in Australian Standards. For wet areas, balconies, and rooftops, if the existing substrate does not provide the required falls, a sand/cement screed will be need to be created. Once the falls are in place and screeds have cured, apply the Davco K10 Rapid as per instructions. Contact Sika Australia for more information on screed mix should this be required.

SUBSTRATE QUALITY / PRE-TREATMENT

All substrates shall be primed with a suitable primer prior to installation of Davco® K10 Rapid.

Primer Guide

Substrate	Primer
Porous Substrates	Davco Ultraprime or Davco PrimeX
Dense Concrete	Davco PrimeX
Metal and PVC terminations and connections	Lightly sand /abrade prior to application

Refer to the specific instruction for each primer on the product data sheet for additional primer application information.

MIXING

Product is supplied premixed, however a light restir is recomended.

APPLICATION

- Use a thick brush or a medium nap roller to apply the first coat of Davco K10 Rapid on the area to be waterproofed
- Allow the first coat to dry for approximately 1-2 hours before applying the 2nd coat at 90° to the first coat. Ensure there are no pinholes or air bubbles on the membrane surface.
- Apply a third coat only if necessary or required to do so
- Allow the final coat to dry for at least 6 hours before tiling (according to temperature conditions). This gives an overall drying time of 6-8 hours for the full application.
- Ensure final dried thicknes of the waterproofing membrane is minimum 1.0mm thick.

Note: The lower the temperature, the slower the drying time of the membrane.

CLEANING OF TOOLS

- Tools and equipment can be cleaned with water prior to the product drying.

LEGAL NOTES

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