



# K10 GREEN SHEET R

## SINGLE APPLICATION, HIGH PERFORMANCE, MULTI-LAYER WATERPROOFING SYSTEM



**ECO FRIENDLY**



**COLOURS**



**RAPID DRYING**

### DESCRIPTION

Davco K10 Green Sheet R is a high performance, multi-layer, fabric reinforced, liquid applied modified PU waterproofing system that allows for high build up thickness to overcome unevenness of roof surfaces, forming a flexible and yet tough waterproofing membrane with enhanced durability. It is available in various colours and is foot- trafficable, making it ideal for waterproofing of concrete flat roof area.

Davco K10 Green Sheet R can be installed using a special spray equipment, or roller. It is specially formulated to be fast drying, increasing productivity and reducing the risk of membrane being wash out due to suddenly occurrence of rain on site during installation.

### USES

Waterproofing of old and new roofs as an exposed or concealed system.

Refurbishment of metal roof, old tile surfaces, concrete roofs and concrete gutters without the need to hack.

Rejuvenate existing torch on waterproofing in existing buildings. A greener and safer alternative system, to torch on membranes, it achieves high build up thickness with 2 coats (minimum), and an optional reinforcement mesh where high tensile strength is required.

Can be applied to concrete, metal and clay roof tiles.

Suitable for use as exposed waterproofing in submerged areas like ponds and fountains when fully cured ( min 7 days after application of waterproofing).

### TECHNICAL DATA

Flash Point	N/A
Elongation at Break ASTM D412 : 06a (2013)	> 420%
Tensile Strength ASTM D412 : 06a (2013)	> 3 N/mm <sup>2</sup> > 12 N/mm <sup>2</sup> (with mesh)
Adhesion Strength ASTM D4541 : 02	> 1 N/mm <sup>2</sup>
Hardness Shore A ASTM D2240 : 05 (10)	> 70 (with mesh)
Crack Bridging ASTM C836 : 2000 BTD / TP / 03 (2002) Adopted ASTM C836 : 2000	3mm
Crack Bridging ASTM C836 : 2000 (after 10 cycles of weathering closing to a width of 1mm)	Passed
Drying Time	1 - 4 hours depend on the coating thickness and temperature of substrate
Application Temperature	5°C to 40°C
QUV (2000 hrs) ASTM G154 : 12a (2014 TR)	No defect Grey Scale No. 4.0

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.





# K10 GREEN SHEET R

## ADVANTAGES

Rapid drying and curing

Easy to apply and sprayable

Increases productivity, reduces manpower and time.

Bridge cracks and remains flexible in harsh weather condition.

Resistant to ultra violet rays, mould & fungus.

Available in various colours.

## SURFACE PREPARATION

Ensure that surface is sound, clean and free from irregularities, sharp projections, loose particles, oil and contaminants.

Old existing coatings which are stable and unable to be removed can remain.

New concrete must be cure for at least 28 days, with sufficient falls provided to avoid ponding on finished membrane surface.

## APPLICATION

### Substrate Type: Concrete surface

Prime the concrete surface with Davco Acrylic Primer. Refer to manufacturer for suitable primer for any other substrate.

Apply 1 layer of Davco K10 Green Sheet R and whilst it is still wet, roll out Sovamesh reinforcing mesh (where required) and press into the wet body coat.

Depending on the ambient temperature, within an hour, the 1st coat will be foot trafficable.

Then apply another one or two passes of Davco K10 Green Sheet R to completely fill the Davco Sovamesh reinforcing matt.

## APPLICATION (CON'T)

### Substrate Type: Metal Roof

Preparation: Wire brushing or abrasive blasting

Primer: Davco Primer.

Finishing with Davco K10 Green Sheet R: 2 coats

\*For substrates of different material and thickness recommendation, please approach our specialist.

## COVERAGE

Davco K10 Green Sheet R - approx. 40m<sup>2</sup> per 20 litres for 1 coat at WFT @ 0.5mm.

## PACKAGING

Davco K10 Green Sheet R is available in 20 litres and 5 litres pail.

Davco K10 Green Sheet R is available in various colours.

- Standard colours - White & Grey

- Other colours - colour matching

## SHELF LIFE

Davco K10 Green Sheet R membrane has a shelf life of at least 12 months when in its original, unopened container and stored in a cool dry place.

## CLEANING

Clean all brushes, rollers, trays, buckets and surrounding areas with clean water before the product sets.

## HEALTH & SAFETY

In case of eye splashes or excessive skin contact, thoroughly flush with clean water. If ill effects occur, seek medical attention immediately. 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](http://www.sika.com.sg)

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