K10 SOVACRYL

FLEXIBLE ACRYLIC WATERPROOFING SYSTEM

LOW VOC

COLOURS

CRACK BRIDGING

DESCRIPTION

Davco K10 Sovacryl is a premixed flexible acrylic waterproofing membrane that can be applied directly from the pail.

Davco K10 Sovacryl - 3 Layer System
Davco K10 Sovacryl 3 layer system forms a microporous membrane that waterproofs external surfaces from water seepage and protects it from deterioration due to carbonation, acid or chemical attack and other types of environment pollution.

USES

Waterproofing of external walls of old buildings, metal roofs, gutters and asbestos roofs. Waterproofing of old roof tiles.

APPLICATION

Apply Davco Acrylic Primer and allow to dry before applying 1st coat. Davco K10 Sovacryl membrane direct from the can. Apply 2nd coat after the 1st coat has dried. Apply one coat at a time, allowing interval of 4 to 8 hours between coats.

SUBSTRATE

All surfaces to be waterproofed must be sound. Jet washing or mechanical abrading is recommended to increase adhesion if applied on existing surfaces. Old coatings which are stable and cannot be removed can remain.

Substrate Types

Metal roof
Preparation: Wire brushing or abrasive blasting
Primer: Davco Acrylic Primer.
Finishing with Davco K10 Sovacryl: 2 coats

Timber surface
Preparation: Dry and free from oil residue
Primer: Davco Acrylic Primer.
Finishing with Davco K10 Sovacryl: 2 coats

Friable surface previously painted
Preparation: Remove flaking paint and jet surface.
Primer: Davco Acrylic Primer.
Finishing with Davco K10 Sovacryl: 2 coats

Powdery paintwork / Brick surface / Existing Roof Tiles
Preparation: Jet washing
Primer: Davco Acrylic Primer.
Finishing with Davco K10 Sovacryl: 2 coats

TECHNICAL DATA

Thickness of membrane	
For roof - 5 layer system	1.5 to 2mm
For wall - 3 coats	0.6 to 0.8mm
Solid Content	> 60% by weight > 48% by volume
Elongation at Break ASTM D412:06ae[2]	> 200%
Tensile Strength ASTM D412:06ae[2]	> 11.49 N/mm^2 (w/ fibreglass)
Adhesion Strength ASTM D4541:02	2.55 N/mm^2
Hardness Shore A ASTM D2240:05(10)	72
Crack Bridging ASTM C836:2000	> 2mm Passed
Crack Bridging ASTM C836:2000 (after 10 cycles of weathering closing to a width of 2mm)	Passed
Water vapor transmission ASTM E 96 / E 96M:10	10.67 g/m^2/24hr
QUV Accelerated ASTM G154:06	No cracking
Weathering (1000 hours) ASTM G154:06	Grey Scale No 4.5
Application Temperature	5°C to 40°C
Fire Resistance -Spread of flame index BS476:Part 7:1997	Class 1
Wet Scrub Resistance (After 3000 cycles) SS5:Part F5:2003	Passed

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.
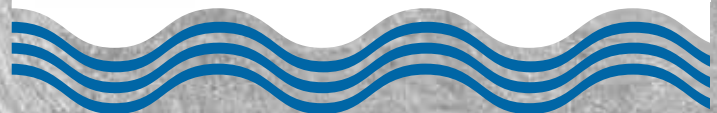
Substrate Types (Con't)

Joints
Primer: Davco Acrylic Primer.
Finishing with Davco K10 Sovacryl: 3 coats (with netting)

SINGAPORE GREEN BUILDING PRODUCT SGBC

BUILDING TRUST

K10 SOVACRYL

ADVANTAGES
- Easy to apply
- High polymer paste form
- Mould & fungus resistant
- Bridge cracks and remains flexible
- Resistant to ultra violet rays
- Water-based and non-toxic
- Available in various colours

Davco K10 Sovacryl 5 Layer System
Davco K10 Sovacryl 5-layer fabric reinforced waterproofing system is designed to overcome unevenness of roof surface by building up of waterproofing membrane thickness. This system is suitable for positive waterproofing of concrete flat roof in areas with light foot traffic.

USES
Waterproofing of old and new roofs. Refurbishment of old concrete roofs and concrete gutters.

APPLICATION
Prime the surface with a layer of Davco Acrylic Primer.

Subsequently apply the 1st coat of Davco K10 Sovacryl membrane and whilst it is still wet, roll out Davco Sovamesh reinforcing matt and press into the wet Davco K10 Sovacryl. Allow the coat to dry for at least 2 hours.

Apply an intermediate coat to completely fill the Davco Sovamesh reinforcing matt.

Apply the final coat to create the required thickness and leave to cure overnight.

SUBSTRATE
Ensure that surface is sound, clean and free from irregularities, sharp projections, loose particles, oil and contaminants. Old coatings which are stable and unable to be removed can remain.

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

APPLICATION
Generally, Davco K10 Sovacryl membrane is applied using a brush or a roller. Due to it's elastomeric quality, it may not be possible to get a flat level finish and brush marks or roller marks are common.

Apply first coat in one direction and 2nd coat in perpendicular direction to the first coat.

COVERAGE
Davco K10 Sovacryl membrane - approx. $40m^2$ per 20 litres for 1 coat at 0.5mm (WFT).

PACKAGING
Davco K10 Sovacryl membrane is available in 20 litres and 5 litres pail. Davco K10 Sovacryl is available in various colours.
- Standard colours - White & Grey
- Other colours - refer to colour chart

SHELF LIFE
Davco K10 Sovacryl membrane has a shelf life of at least 12 months when in 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.
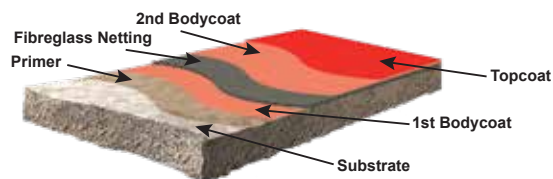
HEALTH & SAFETY
In case of eye splashes or excessive skin contact, thoroughly flush with clean water. If ill effects occur, seek medical attention immediately. Refer to safety data sheet.

5 Layer System

2nd Bodycoat
Fibreglass Netting
Primer
Topcoat
1st Bodycoat
Substrate

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