



K10 DURAFLEX

A PREMIUM GRADE ELASTOMERIC WATERPROOFING MEMBRANE



ECO FRIENDLY



COLOURS



WATER BASED

DESCRIPTION

Davco K10 Duraflex is a single pack, water based, high build waterproofing membrane for the sealing and long term protection of exterior surfaces.

The coating combines a high degree of flexibility with considerable cohesive strength and water resistance. Davco K10 Duraflex has the ability to absorb considerable substrate movement and to bridge developing cracks.

USES

Davco K10 Duraflex can be applied to all common building materials such as concrete, render, aluminum, steel, cement sheet, masonry, brick, wood, etc.

Ideal for use to waterproof external facade, rooftops, etc.

ADVANTAGES

- Water based.
- Very flexible and elastomeric.
- Excellent water resistance.
- Excellent adhesion to all commonly used building and construction materials.
- Excellent dirt pick up resistance.
- Non - flammable.
- Non - toxic.
- No application hazards.
- High scrub and wash resistance.

TECHNICAL DATA

Type	Acrylic Copolymer
Density	1.20 - 1.30 kg / litre
Elongation at Break	Min. 150%
Tensile Strength	Min. 1.5 N/mm ²
Adhesion Strength	≥ 0.5 N/mm ²
Crack Bridging	Min. 3.5
Resistance to water	Excellent
Water vapour transmission	Min. 80 g/m ² 24 hours
Non Volatile	> 50%
Film Appearance	Low Sheen
Resistance to Fungi	Excellent
Resistance to alkali	Good
Resistance to oils	Good
Dirt Retention	
a) Before washing	Min. 92
b) After washing	Min. 95
Accelerated weathering	No signs of blistering, cracking, chalking, colour fading, checking or changes in appearance
Solar Reflectance	47.1%
Emittance,	0.91

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.



BUILDING TRUST





K10 DURAFLEX

SURFACE PREPARATION

All surfaces must be free of grease, oil and dust. Very smooth surfaces should be roughened for better adhesion.

Loose rust, moss, lichens, crumbling cement, deteriorated fibre cement and degraded bituminous substances must be removed either mechanically or chemically.

Surface faults such as blisters, holes and cracks should be cleaned out, then repaired with a flexible filler.

Small hairline cracks can be painted with Davco K10 Duraflex - brush in, allow in dry, then repeat until filled or at least sealed.

Prior to application, prime substrate with Davco Acrylic Primer to seal and strengthen the surface so as to prevent peeling or debonding.

Rusty metal should be cleaned by blasting or other means to a suitable standard then primed with a corrosion inhibitor. Other metals should be suitably treated, e.g. for new galvanising, degrease, etch or roughen surface and prime with Davco Primer XP prior to application.

APPLICATION

Davco K10 Duraflex may be applied direct to all common building substrates, i.e. concrete, render, aluminum, steel, cement sheet, masonry, brick. Priming on substrates is always recommended depending on substrate condition.

Apply two or more coats to obtain recommended total thickness by brush, roller, spread bar or airless spray gun. Ideal application temperature is between 10 - 30°C and relative humidity 30 - 80%. In rapid drying conditions, mask large areas into smaller zones to help obtain an even application and appearance.

Rinse brushes, etc., frequently in water to prevent drying / clogging. Keep containers closed to minimise skin formation.

In fast drying weather conditions, adhesion to unsealed absorbent or porous surfaces is significantly improved by using Davco Acrylic Primer.

THICKNESS OF MEMBRANE

For Wall - 2 coats = 0.5 - 0.6mm

For roof - 4 coats system = 1.5 - 2mm (with netting)

Remarks: Damp concrete substrate. Priming with Davco Acrylic Primer is required for re-roofing.

PACKAGING

5 & 20 litres plastic pail.

COVERAGE

Pitched Roofs:

660 micron WFT (per coat) i.e. 1.5 sq. metre / litre.

Walls (smooth):

450 micron WFT (per coat) i.e. 2.2 sq. metre / litre.

SHELF LIFE

Up to 12 months in unopened containers if stored in a cool, dry place.

CLEAN UP

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

HEALTH & SAFETY

Davco K10 Duraflex is not recommend for use in areas of water immersion like swimming pools, ponds, water tanks and shower areas.

Wash off body before Davco K10 Duraflex dries to a tough, water insoluble film. If in eyes, rinse eyes immediately with water 5 - 10 minutes. If irritation persist, consult a doctor. Move to fresh air if nasal discomfort occurs. 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

Sika (Singapore) Pte Ltd.

28 Tuas South Avenue 8 Singapore 637648

Tel: (65) 6861 0632 • Fax: (65) 6862 1172

Email: sales@sg.sika.com

Website: www.sika.com.sg

Online Store: davco-online.com.sg

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