



783 ACRYLIC POLYMER

ACRYLIC POLYMER CEMENTITIOUS COATING FOR CARPARKS & INDUSTRIAL FLOORING



ECO FRIENDLY



DURABLE



ABRASION RESISTANCE

DESCRIPTION

Davco 783 is a two component pre-packed high performance acrylic polymer modified cement based mortar with high abrasion, impact and skid resistances and is ideal for carparks and industrial floorings.

USES

- Resurfacing of old and worn concrete floors.
- Patching and repairing of damaged concrete surfaces.
- Topping for new concrete floors to increase the skid and wear resistance.
- Suitable for interior and exterior application, e.g. warehouses, car parks & driveways, bus bays, concrete roads, docks, etc.
- As a screed over to concrete roof gutters. Repair and re-surfacing to damaged concrete staircases.
- As water, skid and wear resistance coating to suit open, enclosed and basement car park applications. It is effective as an 'anti-screech' coat to multi-storey car parks, driveway and ramp, especially to descending and ascending turn areas.
- Coating to internal and external walkways for new and upgrading projects.
- Protective screed for industrial floors in high wearing areas to architects' specification.
- As a repair patch over exposed concrete floor, slab and tile surfaces.

ADVANTAGES

- Excellent adhesion to concrete.
- Excellent abrasion & impact resistance.
- Good water resistive barrier for substrate.

SPECIFICATIONS

Type of Evaluation	Testing Method	Specification Requirement
Compressive Strength	ASTM C109C 109M : 2013	≥ 35 N/mm ²
Flexural Strength	ASTM C348 : 2014	≥ 8 N/mm ²
Tensile Strength	ASTM C307 : 2003	≥ 5 N/mm ²
UV accelerated weathering A) 500 hrs B) 1000 hrs	ASTM 154 : 2012a	No cracking, softening or delamination after exposure
Skid Resistance	ASTM E303 : 1993 (2013)	At least 55 BPN (wet condition) on wooden trowel
Taber Abrasion (H22 wheel)	ASTM D4060 : 2014	Shall not exceed 1.5g weight loss per 1000 cycles.
Shear Bond Adhesion	ASTM C482 : 2002 (2014)	≥ 2.0 N/mm ²
Water Penetration (@ 0.4 kgf/cm ² (bar) for 6 hrs)	DIN 1048 - 5 : 1991	Penetration depth shall not exceed 5mm

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.

INSTRUCTIONS

Substrate Preparation

- Clean the surfaces and remove any dust, oil, grease or other contaminants.
- Defective and unsound substrate has to be removed and repaired prior to application of Davco 783.
- Existing substrate expansion joint is to be continued through the new topping and any movement joint.
- Smooth and compact surfaces must be roughened by mechanical means.



BUILDING TRUST





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INSTRUCTIONS (CON'T)

Priming

- Prime the substrate using a suitable Davco primer.

Application

- Pour Davco 783 Part A (liquid) into a pail and slowly add Part B (dry mix), stirring with a low speed drill until a homogeneous lump-free mixture is obtained. Avoid entrapping air during mixing.
- The consistency of the mixed mortar allows application of 3 - 5mm in thickness for each layer. Apply Davco 783 onto moist surface with trowel or rubber tool.
- For anti - skid surfaces, brooming to desired texture may be done shortly after initial set.

Curing

- Dry curing is essential to Davco 783.

PRECAUTION

Davco 783 is manufactured from cement and other natural materials.

Colour variation can occur from variation in raw material. Necessary controls are taken during manufacturing to minimize colour variation to within an acceptable range.

Below is Davco 783 specified colour range for reference only;



Dark

Standard

Light

For actual sample of Davco 783 specified colour range please contact our sales person.

Customers should be aware that colour variation can still occur from variations in environmental conditions and finishing techniques.

Where aesthetics are important to the customer, it is recommended to apply Davco 133 PU Top Coat to eliminate colour variations.

- Do not apply Davco 783 at temperatures below +10°C and above +40°C.
- Applied thickness is limited to 3mm - 5mm.
- Do not use Davco 783 to repair moving cracks or existing concrete expansion joints.

COVERAGE

Approximately 5m² at 3mm thickness.

PACKAGING

Part A : 5 litres can

Part B : 25kg bag

SHELF LIFE

6 months from date of manufacture, if stored in unopened original packing in dry, frost free conditions.

HEALTH & SAFETY

- Avoid eye and unnecessary skin contact, as the product is alkaline.
- Avoid inhalation of dust during mixing.
- Gloves, goggles and dust mask should be worn.
- Wash thoroughly after handling.
- In case of eye contact, flush with plenty of clean water. Seek medical help.
- 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

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