

PRODUCT DATA SHEET

Sikafloor[®]-2400 APCC

(formerly Davco[®] 783 Acrylic Polymer)

ACRYLIC POLYMER CEMENTITIOUS COATING FOR CARPARKS & INDUSTRIAL FLOORING

DESCRIPTION

Sikafloor[®]-2400 APCC 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

Sikafloor[®]-2400 APCC may only be used by experienced professionals.

- 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.

CHARACTERISTICS / ADVANTAGES

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

PRODUCT INFORMATION

Packaging	Part A : 5 litres can Part B : 25kg bag
Shelf Life	6 months from date of manufacture
Storage Conditions	Stored in unopened original packing in dry, frost free conditions.
Abrasion Resistance	Taber Abrasion (H22 wheel) 1.5g weight loss per 1000 cycles. (ASTM D4060 : 2014)
Compressive Strength	≥ 35 N/mm ² (ASTM C109/ C109M : 2020b)
Tensile Strength in Flexure	≥ 8 N/mm ² (ASTM C348 : 2020)
Tensile Strength	≥ 5 N/mm ² (ASTM C307 : 2003)

Resistance to UV Exposure	500 hrs & 1,000 hrs No cracking, softening or delamination after exposure ASTM 154 : 2012a
Resistance to Water Penetration	Penetration depth shall not exceed 5mm (DIN 1048 - 5 : 1991) (@ 0.4 kgf/cm ² (bar for 6 hrs)
Skid / Slip Resistance	At least 55 BPN (wet condition) on wooden trowel (ASTM E303 : 1993 (2013))
Shear Adhesion	Shear Bond Adhesion ≥ 2.0 N/mm ² (ASTM C482 : 2002 (2014))

APPLICATION INFORMATION

Consumption	5m ² at 3mm thickness
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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

Sikafloor®-2400 APCC 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.

For actual sample of Sikafloor®-2400 APCC 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 Sikafloor®-336 PU TopCoat to eliminate colour variations.

- Do not apply Sikafloor®-2400 APCC at temperatures below +10°C and above +40°C.
- Applied thickness is limited to 3mm - 5mm.
- Do not use Sikafloor®-2400 APCC to repair moving cracks or existing concrete expansion joints.

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

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 Sikafloor®-2400 APCC.

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.

APPLICATION

Priming

Prime the substrate using a suitable Davco primer. Application

Application

Pour Sikafloor®-2400 APCC 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 Sikafloor®-2400 APCC onto moist surface with trowel or rubber tool.

For anti - skid surfaces, brooming to desired texture may be done shortly after initial set.

CURING TREATMENT

Dry curing is essential to Sikafloor®-2400 APCC.

LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

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February 2025, Version 01.03

020814050020000016