

Core Epoxica Flow

Self-Levelling Epoxy Flooring
System (100% Solids)



Description

Epoxica Flow is a heavy-duty self-level epoxy floor system that couples high gloss with high hardness and durability. It is capable of withstanding foot traffic and light-medium vehicles in a wide array of industrial and commercial applications. The slip resistance can be enhanced by using broadcast aggregate.

- Excellent flow and self-levelling properties makes it very easy and fast to install.
- Good abrasion resistance.
- High mechanical strength and toughness.
- Colourful and smooth finish – Available in many RAL colors on request.
- Low odour and VOC – Environment friendly.
- Chemical resistant – Provides good chemical resistance and is impermeable to chlorides.
- Can be applied on concrete, glazed and terrazzo tiles, steel and timber surfaces.
- Seamless and easy to clean.

SERVICES

Cementitious coating

Crystalling Coating

Addmixture

Sealant

Grout

Epoxy primer

Repair Mortar

Flooring

PU flooring

PU coating

Bitumen Coating

Latex

Waterstopper

Recommended Uses

- Warehouses.
- Clean and hygienic areas including hospitals.
- Locker and restrooms.
- Car parking areas and showrooms.
- Workshops and industrial areas.
- Halls and retail areas.
- Pharmaceutical plants.



Technical Data

Type			Core Epoxica Coat
Mixing Ratio		Ratio by Weight	1:1.7:4.3
Density (23OC/50% rel. Humidity)		Kg/Liter	1.68
Viscosity	10°C	mPa.s	4500-5500
	20°C	mPa.s	2000-2500
Curing time			
Accessible	20°C	hour	8-12
Full cure	20°C	day	07
Minimum subsurface temperature on the subsurface		°C	+10
Solid state		%	100
Thickness		mm	2-5
Adhesive tensile strength			Concrete failure
Oil & Water Absorption			Nil
Shore A/Shore D (ASTM D 2240)		D	80-85
Compressive strength (ASTM C 579)		Psi	13,000
Tensile strength (ASTM D 638)		Psi	10,000
Flexure strength (ASTM D 790)		Psi	5,000
Abrasion Resistance		CS-17	5,000

Important Information

Supplied in: 15 kg & 30 kg composite kits (Parts A+B)

Storage: Store dry, frost-free, out of direct sunlight

Shelf Life: 6 months in original packaging

Safety: Wear gloves/eye/skin protection; see MSDS

Application Guidelines

Surface preparation:

Anything that can impair adhesion must be removed including grease, oil, dust, curing compounds or any previously applied coating using grit ballasting, milling or grinding. Mechanical wire brush can be used for small areas. The aggregate must be exposed and any repair must be done prior to application using Core cementitious or Core epoxy repair system. For better results, it is recommended to prime the surface using a suitable primer such as Core EP grip.

Mixing:

Pour the Part B into the Part A and mix using a slow speed mixer (300-600 RPM), then pour the aggregates (Part C) in the mixture until homogenous. Make sure the material at the bottom and sides of the container is well mixed.

Application:

Apply the mixed material using a pin screed, notched trowel or steel float and spread to the required level. Once appropriately levelled, the material should be rolled with a spiked roller to release entrapped air and remove trowel marks. Rolling should be continued until all air entrapped is released. The applicator should always wear spiked shoes when walking on the material. Rolling should stop before the material starts to gel.

Curing:

The curing of reactive polymers is affected in particular by the ambient temperature and sub-surface's temperature. Low temperatures slow the polymer's chemical reaction prolonging time for second coat and vice versa. Premature exposure to dampness can cause surface bubbles.

Information herein reflects Core Chemicals' current knowledge and assists specifiers and contractors. It does not replace project-specific trials to confirm suitability. Values are typical under standard conditions; site results may vary. Recommendations are offered in good faith without warranty, as conditions outside our control can affect performance. Core Chemicals may revise specifications without notice. Users are responsible for compliance with applicable standards and regulations. Technical assistance is available on request.

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