

Pavex-2C Multilayer system

Epoxy coating 100% solids for protection of concrete floors



Properties

- Excellent resistance to chemical agents.
- Great resistance to extreme temperatures.
- Extraordinary adherence.
- Excellent mechanical properties (abrasion resistance).

Characteristics

- **Nature:** Epoxy resin without solvent
- **Color:** Amber
- **Specific weight:** 0.9 (mixed the two components)
- **Mixture use life 20°C (1kg.):** ±20 minutes
- **Yield:** Approx. 3 m² / Kg.

Mechanical resistances

• Compression	850 Kg. /cm ²	ASTM C-306-55
• Bending	150 Kg./cm ²	ASTM C-293-57 T
• Traction	85 Kg. /cm ²	ASTM C-190-58

Chemical resistances in immersion kg / cm²

• Sulphur acid	20%	300 hours	Unaltered
• Sulphur acid	50%	300 hours	Loss of color
• Phosphoric acid	90%	300 hours	Unaltered
• Acetic acid	5%	300 hours	It gets white
• Nitric acid	20%	300 hours	Loss of color
• Oleic acid	100%	300 hours	Unaltered
• Citric acid	100%	300 hours	Unaltered
• Caustic soda	50%	300 hours	Unaltered
• Xylene	100%	300 hours	Unaltered
• Oil	100%	300 hours	Unaltered
• Gasoline	100%	300 hours	Unaltered
• Sugary solution	20%	300 hours	Unaltered
• Aviation fuel	100%	300 hours	Unaltered

Hardening (depending on ambient temperature)

The pavement can be used:

- For pedestrian traffic: ±24 hours.
- For forklifts traffic: ±5 days
- For light elements traffic: ±2 days
- Total hardening: ±7 days

Enforcements

- Warehouses in general
- Alimentary industry
- Chemical laboratories
- Sugar companies
- Pharmaceutical Industries
- Canneries
- Oil refineries
- Refrigerators
- Meat industries
- Milky industries

Other enforcements

Pavex 2C multilayer system is used to compile Epoxy mortar in:

- Expansion joints lips
- Screed pavements
- Anchorages
- Machinery benches
- Multilayer systems
- Reparations
- Caulks
- Multicolor systems
- Reinforcements
- Concrete adhesives
- Holes refill

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Usage way

Support

- The minimum concrete age has to be 28 days.
- Adequate cement dosage.
- Preferably, finish troweled.
- Clean and dry.

Once these requirements are achieved:

- Brush with steel tines.
- Dust aspiration.

Product application

It consists in mixing perfectly the two components in the adequate proportions.

It is necessary take into account that the mixture life inside the can is 20/30 minutes, with an average temperature of 20°C.

The product application is performed with short hair roller, extending over the concrete in such a way that the concrete leaves a continuous film.

If you desire more than a layer, the interval between the layers has to be from 8 to 20 hours.

- Sand or carborundum can be sprinkled over the resin applied in order to obtain anti-slip characteristics.

As an epoxy mortar with aggregates:

1° Application of an anchorage layer **Pavex 2C multilayer system** with a yield 3-4 m²/kg.

2° Mortar preparation:

1 part **Pavex 2C multilayer system**. + 6/8 sand parts (clean, dry and grain size from dust + to 1,2 mm. with distribution of lineal particle, that means, that it has to be all the sizes in order that no holes are left).

3° Mortar spilt over the anchorage layer being it still sticky, that means, from 15 minutes to 1 1/2. Hour from the application.

4° Extended with ruler over ways with 4-6 mm.

5° Smooth and imperfections correction with a trowel help.

In case of having to support strong chemical attacks it can be applied over the said pavement a last layer of **Pavex2C multilayer system**.



Packing

Packs (A+B)
5 Kg - 30 Kg

Application temperature

10-35°C.

Preservation

In sealed original packaging (5-35°C),
protected from weather and humidity: 1 year

⚠ IMPORTANT

The observations and prescriptions of this data sheet, although corresponding to our best experience, should be considered, in any case, purely indicative, and should be tested by exhaustive practical applications; therefore, before using the product, the user must establish whether or not it is suitable for the intended use, and assumes all liability that may arise from its use. Once the product has been handled or applied, the manufacturer shall not assume any claim whatsoever, nor any liability as to the manner, mode and conditions of application.