

# Pavex-2C Autonivelante

Self-leveling epoxy resin 100% solids

Bicomponent epoxy resin of high performance 100% solid and low viscosity.



## Product

- 100% solids without solvent.
- High chemical resistance.
- Excellent resistance to intense road traffic from heavy elements.
- Increases the hardness and resistance against abrasion.

## Resistance table (continuous immersion)

• Sulfur acid 5%	Resistance	> 300 h.
• Phosphoric acid 90%	Resistance	> 300 h.
• Acetic acid 5%	Resistance	= 50 h.
• Oleic acid 100%	Resistance	> 300 h.
• Bleach 15%	Resistance	= 300 h. (loss color)
• Caustic soda 50%	Resistance	= 300 h. (loss color)
• Washing up	Resistance	> 1 year
• Water immersion	Resistance	> 1 year

## Characteristics

- Mixture life: 25 minutes
- Dry to 20°C and relative humidity 70%
  - Dry touch: >180 min
  - Total dry: >12 hours
  - Total polymerization: >7 days

- Cured;
 

Pedestrian traffic	> 24 hours
Light elements traffic	> 2 days
Forklifts	> 5 days
Total hardening	> 7 days
Final aspect:	porcelain

*\*These times are contemplated with 20°C and they can oscillate depending on the ambient temperature.*

## Performances

- Composition: Resin Epoxy Two component
- Mixture specific weight: 1,20 Kg/l
- Finish: bright
- Viscosity: 70 – 80 UD / KREBS
- Hardness Persoz: 200-230 sec.
- Abrasion Resistance: 60-70 mg. (1000 cycles)
- Adherence: superior to the concrete cohesion
- Bending: 150 Kg/cm<sup>2</sup> ASTM C-293-57T
- Compression: 1000 Kg/cm<sup>2</sup> ASTM C-306-55
- Traction: 90 Kg/cm<sup>2</sup> ASTM C-190-58

*\*These results have been obtained with standard essays and they can oscillate depending on the workplace conditions.*

## Enforcements

- **Epoxy Resin** 100% solids with excellent leveling and porcelain aspect for the stuck protection and waterproofing in industrial floors subjected to heavy road traffic and pedestrian.
- Specially designed for preparation of floors in an alimentary area according to Regulation CE no 852/2004 from 29 April 2004 chapter II "Specifics requirements in the rooms where alimentary products are prepared, treated or transformed".
- It supports industrial waters and seawaters continuous immersion
- Fit to apply in chemical installations, alimentary, refrigeration, wine, meat, milky, pharmacy, canneries and corrosive atmospheres floors.
- Indoors.

## Enforcements tips

- Application temperatures from: 10-30°C
- Maximum support humidity: 4%
- Relative support humidity: 70%
- Respect always the same percentage during the mixture.
- Do not add water or any other additive to the mixture.
- Avoid splashes of the product in the eyes and skin.

## Execution conditions

- Over surfaces completely dry and without humidity, clean and without greases and other materials.
- Do not apply with humidity superior to 70% and ambient temperature inferior to 10°C.
- Over cement base, its setting must be completed (≥ 28 days).
- It increases the hardness and resistance to abrasion.
- Over smooth surfaces, nonabsorbent, open pore mechanically (abrasive spouted, troweled, abrasive disk) accompanied by a deep aspiration.
- It is essential to secure the support correct primer with the application of **Pavex-2C primer**.

# Pavex-2C Autonivelante

Self-leveling epoxy resin  
100% solids

## Usage ways



### Self-leveling application system

Apply a first primer coat **Pavex- 2C primer** at a rate of 2-3 m<sup>2</sup>/kg. Depending on the support, absorption and its porosity apply additional coats of **Pavex-2C primer** with the purpose of sealing all the support porous. Over very irregular supports, it is advisable a regularization mortar application composed by a part of **Pavex- 2C primer** and 3 parts of **Silica sand** of selected grain size.

2-3 h. after applying the previous layer and when this layer is still mordant, the mass formed by the following is applied with notched trowel:

- 1 part in weight of **Pavex-2C self-leveling** properly mixed components **A+B**.
- 1 part in weight of **Silica sand** of selected grain size.

Apply the mass with notched trowel from 2-6 mm. depending on the required thickness. 5 minutes after, use the spiked roll to eliminate the occluded air.

### Mixture instructions Pavex 2C self-leveling:

Shake with a mechanic whisk **Component A**, at the same time spill the content of **Component B** over the **Component A** shaking continuously.

## Associated products

- \*Pavex-2C primer
- \*Silica sand



## Packing

30 kg pack (A+B)

## Colors

Red, Green, Grey, White.  
Other colors consult.

## Consumption

±0,5 Kg/m<sup>2</sup> PAVEX 2C SELF-LEVELING + 0,5 Kg/m<sup>2</sup>  
Silica sand per layer of 1 mm. thickness

*\*These consumptions can oscillate depending on the support and arid grain size.*

## Preservation

12 months from the fabrication date, in the closed original package (20oC) and sheltered from outdoor and humidity.

## ⚠ 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.