

# Padec Industrial 90®

## Colored mortar for industrial paving

Cement, quartz sand (different grain sizes), pigments and additives.



### Product

- High performances mortar.
- Excellent durability.
- Road traffic and pedestrian traffic resistant.
- Colored.

### Observations

- The waiting times for application oscillate depending on the temperature, humidity and concrete kind.
- Protect all the easily stained zones with **Protector Pavistamp** chests, kerbs, skirting...).
- With hot weather or wind use the superficial retarder **Bryten CH** in order to control quick humidity evaporation on the fresh concrete surface so that enables a perfect union between the mortar and concrete, avoiding the superficial fissures appearance.

### Characteristics

- **Padec Industrial 90** application through sprinkling on fresh concrete.
- The mortar has to be completely integrated on the fresh concrete.
- Avoid soaking the concrete with water.
- In the cold weather time, accelerate the concrete setting process with **Hormidur-SC**.
- Once the first 24 hours approx. are gone, open the expansions joints in 16-20 m2

### Performances (6 kg/m2)

- Kneading water: 12-14%
- Bending resistance:  $\geq 8$  N/mm2
- Compression resistance:  $\geq 35$  N/mm2
- Wear resistance:  $\leq 21$  N/mm2
- Tensile strength:  $\geq 1$  N / mm2
- Slip UNU-ENV 12633: USRV36 Class 2
- Impact resistance, UNE-EN ISO 6272-1:
  - \*\*Height of fall: >1500 mm
  - \*\*Value IR: IR=14,7 N·m
- Adherence UNE-EN 13892-8 : >1,0 N/mm2
- Behavior against fire: A1 euroclass
- Designation: CT-C35-F8-A21

*\* These results are from standard essays with 6 kg/m2 and they can oscillate depending on the workplace conditions.*

### Enforcements

- High resistance colored mortar for the industrial paving to be applied on the fresh concrete.
- Excellent resistance.
- Commercial premises, parking, industrial plants, airport runways...
- Indoors and outdoors.

### Supports

- On fresh concrete.

### Finishes

- Polished – trowelled – striped.
- Hydrate layer (fresh on fresh).

### Recomendations

- Application temperatures: 5-30° C.
- The water percentage can oscillate depending on the used mixer.
- Do not add water once the product has been applied over the fresh concrete.
- Avoid application with strong wind or direct insolation.
- Respect, perimeter joint (min. 5 mm), expansion and fractionation.

### Execution conditions

- The base is properly compacted and it has obtained the approval from the Project management team to receive the concrete.
- The site management team or the property will always decide concrete thickness.
- Concrete will be manufactured in an authorized plant and transported with tanker trucks within 30 minutes it will have a fall cone from 6.5 to 8 cm, in order to avoid the slag rise and the granule segregation.
- In the minutes following the regularization of the concrete, the concrete is smoothed allowing the water to rise by capillarity and ensuring a perfect adhesion between concrete and mortar.
- Outdoors do not apply with wind, rain risk or frost-thaw possibility.
- Avoid application with low temperatures during the hours following to the mortar application. It increases the efflorescence by carbonation appearance risk.

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## Usage way

- Manual application
- Mechanical application
- Hydrate layer (fresh on fresh)



Trowelled



Polished



Striped

**Optional:** Once the expansion joints are opened and the floor has no ponded water, apply 1-2 pass of resin **F-250, F-300, Paviplast epoxy**.

## Associated products

- \*Fiberglass
- \*Paviplast epoxy
- \*F-250
- \*F-300
- \*Microspheres
- \*Hormidur SC
- \*Pavistamp protector
- \*Bryten CH



## Packaging

25 kg sack  
1200 kg pallet (48 sacks)

## Colors



Gray cement, red and green  
(other on demand)

## Consumption

Manual application: 3 - 6 kg/m<sup>2</sup>  
Mechanical application: 6 - 12 kg/m<sup>2</sup>  
Hydrate layer (fresh on fresh): ± 20 kg/ m<sup>2</sup> and cm thickness

## Preservation

In original closed container, and sheltered from outdoor and humidity: 1 year

## ⚠ IMPORTANT

The observations and prescriptions of this technical sheet, even corresponding to our best experience, should be considered, in any case, purely indicative, and must be tested by exhaustive practical applications; Therefore, before using the product, whoever is going to do it must establish whether it is suitable for the intended use, and assumes any responsibility that may arise from its use. Once the product is handled or applied, the manufacturer will not assume any claim, nor will it be responsible for the form, mode and conditions of application.