EN

Epofloor EB 715

Construction Chemicals > Floor Coverings > Epoxy-Based Products

A two-component, solvent-free, self-levelling epoxy flooring material.

Areas of Use

- Indoor floor applications
- Exhibition areas, shopping malls, stores
- Food production facilities
- Chemical industry facilities
- Enclosed parking lots
- Aircraft maintenance hangars
- All epoxy floor coatings where non-slip is required

Advantages

- Solvent-free
- Provides seamless coating
- High resistance to chemicals
- Excellent adhesion
- High mechanical strength and abrasion resistance
- Hygienic; does not dust
- Provides smooth surfaces
- Easy to clean

1 Surface Preparation

The surface to be applied must be free of oil, dirt, and old paint. Cracks should be opened, cleaned, and filled with epoxy mortar. Ensure that the relative humidity in the air is below 85% and the moisture content of the surface to be applied is below 5%. Concrete surfaces must have gained their minimum 28-day strength. The surface should be polished with special polishing machines before application, and the slurry or dust layer should be vacuumed. In ceramic or similar floor applications, ceramics should adhere perfectly to the floor, joints should be repaired after polishing, and the subfloor should be reinforced with epoxy primer and special mesh. Priming should be done with Epoprime EB 710 or Epoprime EB 712. If there are irregularities greater than 1mm on the surface, they should be filled with silica sand mixed with primer.

2 Preparation of the Mixture

Add 5 kg of B component (hardener) to 19 kg of A component (epoxy resin) and mix with a low speed mixer for 3-4 minutes until a homogenous consistency is obtained. Mixing should not be done by hand. In the intermediate coat (stripping coat), depending on the thickness of the application, silica sand should be added and mixed for another 5 minutes.

3 Application

After surface preparation, priming, sanding, and intermediate coat application, the product is poured onto the surface and spread with a toothed trowel. The surface is rolled with a spiked roller to remove air bubbles.

4 Points to Consider

- Avoid application at temperatures below +7°C and above +35°C.
- Concrete temperature should not exceed 45°C.
- If ambient temperature is above 35°C, apply quickly and reduce the amount of mixture to be used at once.
- Do not add water or similar materials to the mixture.
- Working and curing times of epoxy resin-based products depend on ambient and surface temperatures.
- At low temperatures, viscosity increases, consumption increases, and reaction time is prolonged.
- At high temperatures, viscosity decreases, and working time is shortened.
- Avoid application on frozen surfaces, surfaces at risk of freezing within 24 hours, or areas exposed to direct sunlight and wind.
- Do not touch the surface and prevent contact with water for at least 24 hours after application.

5 Packaging

24 kg set (19 kg + 5 kg) in cans.

6 Storage Life

At least 12 months in sealed packaging and protected from freezing.

7 Consumption Rate

Intermediate coat: 600-1000 g/m^2 depending on surface condition
Self-levelling layer: 1000-1200 g/m^2





EPOFLOOR EB 715

Structure of the Material	
Component A	Epoxy resin
Component B	Hardener
Mixing Ratio	19 kg Component A / 5 kg Component B
Mixture Density	~1.45 kg/l (20°C)
Application Thinner	Not thinned
Application Method	Trowel
Pot Life	30-40 minutes (23°C)
Compressive Strength	~50 N/mm^2
Flexural Strength	~25 N/mm^2
Adhesion Strength	> 3 N/mm^2 (Concrete Surface)
Shore D	75-80 (after 7 days)
Abrasion Resistance (Taber Abrasion Test)	70mg (CS10/1000/1000) (8 days/+23°C)
Waiting Time Between Coats	
10 °C	Pedestrian Traffic: 30 hours / Mechanical Strength: 3 days
20 °C	Pedestrian Traffic: 24 hours / Mechanical Strength: 2 days
30 °C	Pedestrian Traffic: 16 hours / Mechanical Strength: 1 day
Drying Time	
10 °C	Pedestrian Traffic: 72 hours / Mechanical Strength: 5 days / Chemical Resistance: 10 days
20 °C	Pedestrian Traffic: 24 hours / Mechanical Strength: 4 days / Chemical Resistance: 7 days
30 °C	Pedestrian Traffic: 18 hours / Mechanical Strength: 2 days / Chemical Resistance: 5 days
Surface Temperature	(+10°C) - (+30°C)
Ambient Temperature	(+10°C) - (+30°C)
Material Temperature	(+10°C) - (+30°C)