EN

Epofloor EB 718

Construction Chemicals > Floor Coverings > Epoxy-Based Products

A two-component, solvent-free, epoxy-based final coat paint with low viscosity.

Areas of Use

- Indoor concrete floor applications
- Exhibition areas, shopping malls, stores
- Production facilities
- Enclosed parking lots

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 paints. 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. 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 Application

After surface preparation, priming, and sanding, apply the product to the floor with a short-nap roller.

3 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 manually. The product should be prepared in the specified mixing ratios as much as the amount to be consumed. In order to obtain a homogeneous mixture, the product temperature should not be less than 15 °C.

4 Points to Consider

- The substrate must be dry, clean, and free from foreign substances such as oil, dirt, and surface curing materials.
- During application, the air should be dry, and the temperature should be between +10°C and +30°C.
- Weak concrete should be removed from the surface, and any holes should be completely opened and repaired using Merks Repoc EB 456 epoxy repair mortars.
- During application, protective gloves, goggles, and clothing should be worn. Avoid eye and skin contact.
- All tools used should be cleaned with epoxy thinner.

5 Packaging

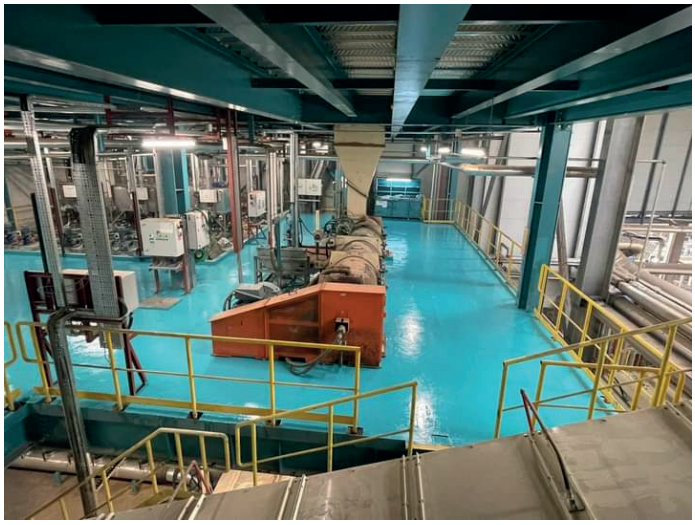
24 kg set (19 kg + 5 kg) in cans.

6 Storage Life

At least 12 months in closed packaging and stored between +5°C and +25°C.

7 Consumption Rate

700 g/m² to 1000 g/m² depending on the ground





EPOFLOOR EB 718

Material Structure	
Component A	Epoxy resin
Component B	Hardener
Mixing Ratio	19 kg Component A / 5 kg Component B
Density	
Component A	~1.70 kg/l (20°C)
Component B	~1.00 kg/l (20°C)
Abrasion Resistance (Shore D)	> 75 (after 7 days)
Compressive Strength	~50 N/mm2
Flexural Strength	~20 N/mm2
Adhesion Strength	> 1.5 N/mm² (Concrete Surface)
Pot Life	40-60 dk
Temperature Range	(+10°C) - (+30°C)
Shelf Life	12 months in unopened packaging, protected from frost
Packaging	24 kg set (19 kg tin bucket for Component A, 5 kg tin bucket for Component B)