



Fly Floor 818

Two-component, roller-applied epoxy coating

Description

Fly Floor 818 is a two-component, colored epoxy system, offering high strength and abrasion resistance. It is resistant to organic and inorganic acids, alkalis, petroleum products, waste, water, seawater, and weather conditions. It is also resistant to temperatures from -30°C to +100°C in dry loading and up to +60°C in wet loading.

Certifications

According to EN 1504-2

According to EN 13813 and classified as SR-B2.0-AR0.5-IR4

According to ASTM (D4060/ D4541/C267)

Fields of application

Fly Floor 818 is used as a roller-applied coating for floors requiring high mechanical and chemical strength. It is suitable for cement-based substrates, e.g. concrete, cement mortars, as well as for steel or iron surfaces in industrial areas, warehouses, laboratories, hospitals, wine factories, slaughterhouses, canning industries, garages, car repair shops, etc.

Technical data

Base	Two-component epoxy resin
color	Up on order according to RAL
Viscosity	1900 mPa.s(+23°C)
Densit (A+B)	1.46 kg/l
Mixing ratio	100:45 by weight
Pot life	Approx.. 40 min (+20°C)
Minimum hardening temp	+ 8°C
SHORE D hardness	80
Overcoat time	After 20 h (+23 °C)
Final strength	After 7 days (+23 °C)
Compressive strength	≥ 52 N/mm ²
Flexural strength	≥ 34 N/mm ²
Adhesion strength	≥ 3 N/mm ²
Impact resistance	IR 4



Construction Chemicals

Directions for use

1. Substrate preparation

The flooring surface should be:

- Dry and stable.
- Free of materials that prevent bonding, e.g., dust, grease, etc.
- Protected from negative-side water pressure.

It should also meet the following requirements:

- Concrete quality: at least C20/25 Cement
- screed quality: cement content 350 kg/m³
- Age: at least 28 days
- Moisture content: < 4%

Iron or steel surfaces:

It should be free of rust or any corrosion that may prevent bonding. Depending on the nature of the substrate, it should be prepared by brushing, grinding, sandblasting, water blasting, shot blasting, etc. Then, the surface should be cleaned of dust with a high suction vacuum cleaner.

2. Priming

Cementitious surfaces should be primed with Fly PSF epoxy primers. Consumption: 200-300 g/m².

After the primer has dried, any existing imperfections (cracks, holes) should be filled using Fly PSF mixed with quartz sand with 0-0.4 mm particle size (or Q35 quartz sand) at a 1:1.5 up to 1:2 ratio by weight or using Fly EPutty.

3. Mixing of the components

Component A (resin) and B (hardener) are packaged in two separate, pre-measured containers, with a fixed mixing ratio by weight.

The entire contents of component B are added to component A.

The 2 components should be mixed for about 5 minutes with a low-speed mixer (300 rpm).

It is important to thoroughly stir the mixture near the sides and bottom of the container to achieve uniform dispersion of the hardener.



Construction Chemicals

Consumption

Depending on the use of Fly Floor 818: 3-4 m² / kg - 2 Layers at 200 microns D.F.T per layer

Packaging

FLY Floor 818 is supplied in 5 kg and 20kg

Shelf life – Storage

24 months from production date if stored in original, unopened packaging, in places protected from moisture

Storage

Store the material in a cool, covered, dry place. Do not expose the pails to direct sunlight and keep them away from all sources of heat.

