

**SOLVA
STRONG[®]**
RANGE OF
CONSTRUCTION CHEMICALS



EPOXY PRIMER FL

About Product

This is two-part Low viscosity, solvent-free epoxy resin system. In order to prevent heavy objects from damaging the surface and to ensure that it remains durable for a long time, it is directly applied to the concrete.

Uses:

- 1: Industrial floors, shopping malls, theatres, residents Etc.
- 2: Epoxy mortars, and for the repair of concrete substrates.
- 3: Self-leveling or repairing horizontal concrete surfaces in new or maintenance work.
- 4: For absorbent substrates ranging from average to strong.

Advantages:

- 1: Environmentally friendly.
- 2: Low viscosity.
- 3: Excellent binding strength across the whole temperature range of its use.
- 4: Simple to Apply.
- 5: Can be used for both primer and screed. (Saves inventory cost)
- 6: longer pot life and quicker curing.
- 7: Useful or self-levelling floors.
- 8: Can be used for the repair of concrete.
- 9: High penetration.
- 10: High bond strength.

Product Information:

	Part A	Part B
Colour:	Clear	Amber-brown liquid
Medium:	20 Kg	10 Kg
Solid Content:	100%	100%

Application as Primer

Mixing Ratio:

Part A: Part B = 2:1 by wt.

Physical Strength:

Compressive strength: 65 N/mm² (14 days/+27°C)
 Flexural strength: 40 N/mm² (14 days/+27°C)
 Bond strength: Concrete failure
 Absorption: <0.6%
 Chemical Resistance: Resist to all mild chemicals

Consumption:

4.54 to 5.56 m²/Kg
 8 to 10 m²/Kg
 0.22-0.18 Kg/m²
 (100 Microns on concrete)
 0.12-0.1 Kg/m² for
 (300 micron (approx.) on
 Checkered plate)

Surface Preparation Before Application:

- 1: The concrete substrate needs to be solid and reliable.
- 2: Substrate compressive strength: 20 N/mm² min.
- 3: Pull off the strength of substrate: 1.5 N/mm² min.
- 4: The substrate needs to be clear of all contaminants, including dust, grease, oil, coatings, and surface treatments. It also needs to be dry.
- 5: If there is oil on the surface, use our Surface Oil Remover.
- 6: 4% or no rising moisture to the polyethylene sheet, depending on the moisture content of the substrate.
- 7: It is necessary to mechanically prepare the concrete substrate using abrasive blast cleaning.
- 8: Weak concrete must be taken out, and surface flaws like voids and blowholes must be fully exposed.
- 9: Use the proper products to carry out substrate repairs, fill blowholes and voids, and level the surface.
- 10: Before applying the product, all dust, loose, and friable material must be completely removed from all surfaces, preferably using a brush and/or a vacuum.
- 11: Substrate temperature: +8°C To 36°C.



Climatic Condition:

70% Relative Humidity

Dew Point: The substrate and uncured floor must be at least 5°C above the dew point.

Application Method

- Before mixing, mechanically stir Resin Part A and B separately.
- Mix hardener Part B into resin Part A.
- Ratio of Mixing: 2:1 by weight.
- Before applying, mix a small amount to prevent gelling. (approx 5-6kg of total mix)
- Use an electric stirrer with a low speed.
- 3 minutes of continuous stirring and mixing is needed to achieve uniformity.
- Avoid air entrainment.
- To ensure thorough mixing, use a flat or straight-edged trowel to scrape down the container's sides and bottom at least once while mixing.
- Continuous, pore-free coat should cover the substrate.
- Apply two coats of primer, if required. Keep a two-hour gap between events.

Pot Life: 200 g. Mass at 25° C: 20-25 mins.

Packaging: Part A-20 kg, Part B-10 Kg (30 kg Set)

Shelf Life: Part A, Part B 12 months from the date of manufacturing.

Storage Condition: The product must be kept dry, between 5 and 35 degrees Celsius, in its original, unopened, and undamaged sealed package.

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