

**SOLVA  
STRONG**<sup>®</sup>  
RANGE OF  
CONSTRUCTION CHEMICALS



## EPOXY SCREED SL

### 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: Self leveling screed is for removal of undulation in floors.
- 2: Enhance the load bearing capacity of floors.
- 3: For providing strength for floors.
- 4: Epoxy mortars.
- 5: Repairs of concrete substrates in floors.

#### Advantages:

- 1: Environmentally friendly.
- 2: Low viscosity.
- 3: High compressive strength.
- 4: Simple to Apply.
- 5: Lower the cost of epoxy flooring with high loading capacity.
- 6: Longer pot life and quicker curing.
- 7: Useful or self-levelling floors.
- 8: Can be used for the repair of concrete.

### Application As Screed

**Mixing Ratio:** Heavy duty floor screed - Part A: Part B: Silica Sand (0.1-0.3mm) = 2:1:6-10  
Self-leveling Screed – Part A: Part B: Silica Sand = 2:1:3-5

#### Physical Strength:

Compressive strength:	65 N/mm <sup>2</sup> (14 days/ +27°C)
Flexural strength:	30 N/mm <sup>2</sup> (14 days/ +27°C)
Bond strength:	Concrete failure
Chemical Resistance:	Resist to all mild chemicals

#### Consumption:

Heavy duty floor Screed – 5-6 Kg/m<sup>2</sup> for 3 mm thickness  
Self-leveling screed – 1.2-1.5 Kg/m<sup>2</sup> for 1 mm thickness.

**Note:** These figures are theoretical and do not allow for any additional material required due to surface porosity, surface profile, variations in level or wastage, etc. use of silica sand as per applicator's discretion.

### Application Method

- Before mixing, mechanically stir Resin Part A and B separately.
- Mix hardener Part B into resin Part A.
- Ratio of Mixing: 1:1 by weight.
- Add silica sand (0.1-0.3 mm) in small batches.
- Before applying, mix a small amount to prevent gelling.
- 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.
- Use a forced action mixer of the rotating pan, paddle, or trough type to prepare mortars. Use of free fall mixers is not advised.
- Use a low speed electric stirrer (300–400 rpm) or other appropriate machinery to thoroughly combine the components for the self-leveling screed.
- To ensure thorough mixing, use a flat or straight edge trowel to scrape down the container's sides and bottom at



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least once while mixing.

- Continuous, pore-free coat should cover the substrate.
- Using a serrated trowel, screed is poured and spread evenly for self-leveling.
- As soon as possible, roll in two directions using a spiked roller to ensure an even thickness and to release the trapped air.
- Screed should only be used on tacky primer.

**Climatic Condition:**

70% Relative Humidity.

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

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

**Packaging:** Part A-20 kg, Part B-20 Kg

**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.

**Points to Remember:**

- Epoxy Primer FL should not be used on surfaces that are becoming more moist.
- Epoxy Primer FL that has just been applied needs to be protected from moisture, condensation, and dampness for at least 24 hours.
- For professional use only by experienced applicators.

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