

## BUILDPOXY – SL

**DESCRIPTION :** **BUILDPOXY – SL** is a three packs self levelling epoxy floor topping system with chemical and abrasion resistance properties. The system includes a two pack epoxy resin primer i.e. **BUILDPOXY - P**.

### USES

**BUILDPOXY – SL** is used as self levelling (500microns to 3mm ) epoxy for seamless floor toppings in industries with medium degree of exposure, like power plants, exhibition halls, shops, pharmaceutical industries, laboratories, clean rooms, automobile workshops / showrooms, on cementitious floors etc.

### FEATURES

- ❖ High mechanical strength – hard wearing and durable
- ❖ Good abrasion resistance
- ❖ Chemical resistance – most industrial chemicals
- ❖ Self levelling smooth, glossy and hygienic seamless surface
- ❖ High impermeability
- ❖ Easy to lay – consistent quality.

### SURFACE PREPARATION

The surface should be clean, free from loose particles, laitance and previous coatings. This may be achieved by any approved method of surface preparation. Methods of surface preparation are dependent upon the substrate and the service conditions under which they operate.

### IMPORTANT INSTRUCTIONS

The concrete must be of M-20 grade and should be at least four weeks old at the time of laying. The minimum moisture content should be less than 4% prior to laying.

### APPLICATION

Apply a coat of **BUILDPOXY P8** (Primer for Buildpox products) to a coverage of 4-5 sq.mtrs. per kg. and allow it to cure for 8-10 hours.

Mix pack 'A' and pack 'B' to a smooth consistency and finally within next 5 minutes, mix pack 'C' into it till uniform flowable epoxy mortar results. Then spread it with bedding comb on a primer applied even and tacky surface and detrain entrapped air, if any, with spiked roller.

**TECHNICAL DATA**

No. of components : Three (pack 'A' Resin, Pack 'B' Hardener and Pack 'C' Filler)

<b>Mixing ratio &amp; coverage</b>				
<b>Thickness</b>	<b>Resin</b>	<b>Hardener</b>	<b>Filler</b>	<b>Coverage(sq.mtr./kg.)</b>
500microns	4.00kgs.	1.60kgs.	--	1.5 – 1.6
1mm	4.00kgs.	1.60kgs.	4.00kgs.	0.70 – 0.75
2mm	4.00kgs.	1.60kgs.	7.00kgs.	0.30 – 0.35
3mm	4.00kgs.	1.60kgs.	7.00kgs.	0.20 – 0.25

Finish : Glossy, shades as desired  
 Minimum application temp. : 5°C  
 Pot life at 30°C : 30 - 40 minutes  
 Compressive strength (N/mm<sup>2</sup>) : 60 (14 days)  
 Tensile strength (N/mm<sup>2</sup>) : 14 (14days)  
 Bond strength : To concrete > 11 as per ASTM C881  
 Shelf life : 12 months if unopened  
 Packing : 4kgs. Resin & 1.6kgs. Hardener and  
 in multiples.  
 Storage : Keep in a cool place  
 Health & Safety : Use protective clothing & eye goggles while handling  
 these materials. Do not smoke or use naked flame nearby  
 as it is flammable.