

BUILDPOXY (LV)

High strength injectable epoxy grout

DESCRIPTION : BUILDPOXY LV is a two pack low viscosity, free flowing solvent free epoxy resin system specially designed for injection into cavities, voids and cracks in concrete for carrying out structural repairs.

Being low viscose material, it can be injected into very fine cracks also.

STANDARD : BUILDPOXY (LV) complies with ASTM C 881-87 Type I, Grade I, Class B & C

FEATURES

- ❖ Chemical resistance against wide range of chemicals, oils etc.
- ❖ No shrinkage
- ❖ Excellent adhesion
- ❖ Fine cracks and voids can be easily sealed
- ❖ Low viscose, highly penetrative
- ❖ Can be used in both wet and dry conditions.

APPLICATION

The area to be treated, should be cleaned properly. Injection nipples are fixed in a square grid maximum 500 to 800 mm c/c depending on the cracks and nature of concrete.

The pre-measured components, viz. Resin & Hardener are to be mixed for 2-3 minutes to a uniform colour using a drill and paddle (speed 400-450 RPM) mixer so as to avoid any entrapped air.

Leave the mixed material to stand for 2-3 minutes to enable entrapped air, if any, to escape from the mix and then use as quickly as possible.

The grout mixture should be pumped by a positive displacement plunger type pump. Inject at slow and even pressure through the injecting nipples till refusal.

TECHNICAL DATA

Finish	:	Pale Yellow
Mixing ratio	:	Resin : 2 parts by weight Hardener : 1 part by weight
Density (N/mm ³)	:	1.07 – 1.19 kg. / ltr.
Viscosity	:	Free flow liquid
Compressive strength	:	24 hours : 350 (N/mm ²) 3 days : 800
Tensile strength (N/mm ²)	:	20 in 7 days at 30°C.
Flexural strength (N/mm ²)	:	36 in 7 days at 30°C.
Bond strength (N/mm ²)	:	12
Pot Life	:	30 minutes at 30°C.
Application temperature	:	+ 10°C to 40°C
Storage	:	12 months in unopened containers.
Packing	:	30 kgs.(Two pack system)
Health & safety	:	Use gloves while handling

BUILDPOXY LV Inflammable – handle with care.