



ULTRPOXY LV

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Penetrative, Low Viscosity, Epoxy-Based, Crack repair, and protective coating

UltraPox LV Specifications:

- Density : 1.1 gm/cc.
- Solid Content: 100 %.
- Touch Dry Time: 6 Hours @ 30 ° C.
- Load Time: 24 hours.
- Compressive Strength: 95 N/mm².
- Flexural Strength: 15 N/mm².
- Pot Life: 50 min @ 20° C
- Bond Strength: 4 N/mm².
- Initial Hardness: 24 hours.
- Full Cure: 7 days.
- Shore D Hardness: 80.

Application and Rates

- Low Viscosity (easily poured and penetrative) to ensure maximum crack filling and repairing ability.
- **UltraPox LV** supplied in two-packs plastic packs Base (A) ,and hardener (B) weighing 3 Kg producing 2.75 litres.
- Applied easily by pouring into voids and cracks, or painted by brush or roller.

Product Handling and Storage

- Store **UltraPox LV** in a cool, covered dry place. Do not expose the pails to direct sunlight and keep away from all sources of heat. In tropical climatic conditions, the product has to be stored in an air- conditioned environment and protected from high humidity.
- The shelf life of the product is 24 months in unopened condition if stored as per the recommendations. Exposure to high temperature and humidity will result in considerable deterioration of the product and reduce its shelf life.



UltraPox LV, the features:

- High performance, low viscosity, epoxy structural repair, highly fluid for allowing the repair of finest Cracks , It provides high compressive strength, and impact resistance.
- It provides excellent bond to concrete, brick, and masonry.
- It is easy to mix, pour and penetrate the cracks and surfaces since it is a low viscous material.
- 100 % solids, so it is non-shrink materials, which adheres with no loss of bond.
- Could be applied by pouring out or by pump.
- could be applied as a protective coating for concrete, wood, and different building materials.

Application Procedure:

Surface preparation: The surface must be stable and free of separating substances. for this purpose the surface may be prepared by suitable mechanical process such as shot blasting, milling, or air jetting, New concrete surfaces should be 28 days old and the moisture content on the surface must be less than 5%. Refurbishment of existing or old floors must be done with a suitable repair mortar, in order to ensure that the bond between the old substrate and the new flooring system is very good.

Priming: on most surfaces priming is not required



Applications

- **Filling concrete floor voids and cracks.**
- **Filling or injecting to different concrete structural elements including cracked concrete ceilings .**
- **Protection of coloured and stamped concrete floors.**
- **Protection and renovation of different wood tables and structures.**
- **Strengthening and protection of deteriorated concrete floors .**
- **In all decorative casting works specially the colored artistic designs.**

Health and Safety

As with all construction chemical products, caution should always be exercised. Protective clothing such as gloves and goggles should be worn. Treat any splashes to the skin or eyes with fresh water immediately. Should any of the products be accidentally swallowed, do not induce vomiting, but call for medical assistance immediately.

even in the coating application.

Mixing Add Part B into Part A and mix thoroughly for 2 – 3 minutes to achieve uniform consistency low viscosity liquid. Apply immediately after mixing.

Application

Pouring out Application:

In horizontal areas, wider cracks can be simply filled by pouring in **UltraPox LV**. To avoid wastage and unnecessary material consumption you may use mastics or tapes to build a kind of reservoir along the cracks and treat the area subsequently with a short-hair lambskin roller.

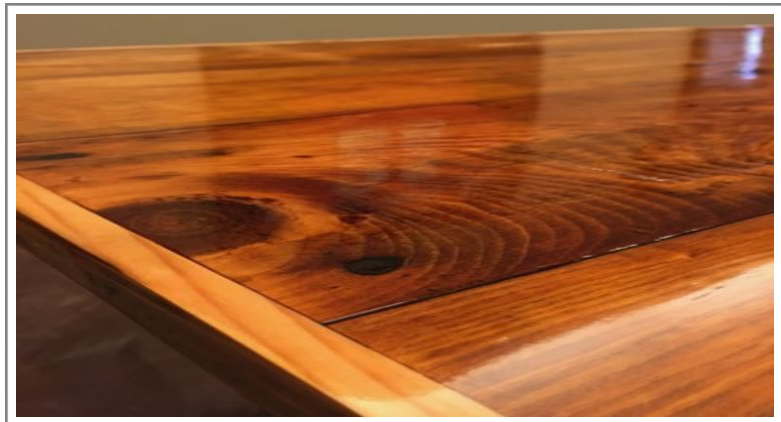
Application with Injection Equipment:

UltraPox LV can be injected with 1-component or 2-component injection pumps. The injection pressure should be at least 4 bar. And should be allowed to cure for 24 hours and shall be left undisturbed for this time.

Coating Application:

Use appropriate brush roller or scary machine to apply a uniform crystal clear coating for concrete, wood and different building materials.

Cleaning Clean all tools & equipments with suitable solvent immediately after use. Hardened materials can be removed mechanically only.



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