

Arina-primer LEP 231

Low viscosity epoxy primer and penetrating resin for wet or dry surface

Introduction:

Arina-primer LEP 231 is two-component, high strength, solvent free, very low viscosity, penetrating primer based on selected epoxy resins used for priming and sealing concrete surface in repair and FRP applications. It is suitable to be used on wet or dry substrates.

Where to use:

Arina-primer LEP 231 has excellent penetrating properties to capillaries and micro cracks of constructional masonries. Also provides excellent bonding to many construction materials. The product is suitable for:

- Priming sound and dense wet and dry concrete surface in FRP systems.
- As a primer for all repair actions.
- Improving substrate mechanical properties by penetration and polymer formation.
- Sealing surface micro cracks.
- Stabilizing porous substrates.
- Sealing wet and dry concrete surfaces.

Technical information:

Appearance	Milky liquid (mixed) Comp. "A": Transparent Comp. "B" : Amber
Mixing ratio	A : B = 4: 1 by weight
Specific gravity (at 25 °C)	1.03 kg/l (mixed)
Bonding strength	2.5 MPa (Concrete failed)
Recommended layers	One layer for dense substrate At least two layers for porous substrate
Service temperature	-35 to +65 °C
Tack free	24 hours (at 25 °C)
Full cure	After 14 days (at 25 °C)
Working Time / Pot life	90 min. (at 25 °C)

Advantages:

- Excellent adhesion to concrete and most construction materials.
- Excellent early and final mechanical strengths.
- Excellent chemical resistance.
- Impact and shock resistance.
- Excellent penetrating to wet and dry substrates.
- Very low viscosity.
- Reducing resin consumption for saturation up to 20%
- Easy to use
- Shrinkage free while curing
- Long pot life and open time

Surface preparation:

The substrate must be sound and free of loose particles. Remove dust, laitance, oil, grease, curing compounds, waxes, disintegrated and other bond inhibiting materials from the surface. Surface can be prepared by blasting methods, grinding, or wire brushing. Clean concrete surface with vacuum cleaner before applying *Arina-primer LEP 231*.

If high pressure water jet is using for preparation, no standing water is permitted.



Arina Polymer

شرکت آرینا پلیمر

تولید کننده انواع اپوکسی های ساختمانی

Mixing:

Stir each component separately. Add component "B" to Component "A" and mix them thoroughly using a low speed drill (max. 400 rpm) fitted to the suitable paddle at least for 2 to 3 minutes or until a uniform color is obtained.

Application method:

Thoroughly mixed *Arina-primer LEP 231* should be applied on prepared substrate using roller or brush. If necessary, additional coats can be applied where surface is very porosity. Further coat should be done in 2 hours interval between coats.

Material consumption:

100 to 200 g/m² per coat depending on surface roughness.

Limitations:

Do not apply *Arina-primer LEP 231* at temperatures below +5 °C.

Do not thin *Arina-primer LEP 231* by solvent. Solvent will prevent proper curing.

Age of concrete must be 21~28 days, depending upon curing and drying conditions.

Cleaning:

Application tools and equipment should be cleaned after completion of each job or at break time. Uncured material can be washed with approved solvent. Cured material can only be removed mechanically.

Storage / Shelf life:

Store out of direct sunlight, and protect from extreme heat and rain fall. The shelf life for originally unopened package is 12 months from date of production.

Packaging:

Arina-primer LEP 231 is available in 3.0 kg. Pails.

Safety precautions:

Product may cause skin irritation. Use personal safety devices such as gloves and goggles. If contacted with eyes or mucous membrane, wash immediately with plenty of warm water and seek medical attention.