

CODE: AL -90

PRODUCT NAME:

Alkyd sealer Primer

DESCRIPTION:

AL-90 is a single pack alkyd primer solvent base concrete Alkyd primer to improve adhesion of topcoat to the substrate. It is recommended as a sealer on concrete and gypsum to prevent dust forming which provides an excellent surface under alkyd topcoat.

Like all primers, AL-90 alone is not suitable for immersion in acid or alkaline solutions.

TECHNICAL DATA:

Binder	Alkyd resin
Pigment	Non Anticorrosive pigment
Finish	Flat
Shade	RAL Colors
Specific gravity	1.2± 0.1 Kg/Lit
Volume solids	40 ± 3%
Flash point	34 °C
Typical dry film thickness	30-50 Microns per one coat
Number of coat	One
Substrate	Cleaned surface
Application method	Conventional, brush , roller
Thinner / Cleaner	T-100
Weight of added thinner	Max 10-15 %
Theoretical spreading rate - one coat ( at 30 microns)	13.3 M <sup>2</sup> /Lit
Packing	5or 25 kg
Shelf life	12 Months

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## Drying Time

Temp	Touch dry	Hard dry	Over coating	
			Min	Max
15°C	120 minutes	20 hours	18hours	-
25°C	90 minutes	14 hours	12hours	-
40°C	60 minutes	12 hours	9hours	-

**Note:** Drying times are dependent on applied film thickness; all data in this catalogue are reported at recommended DFT.

## SURFACE PREPARATION

All Surfaces to be coated should be clean, dry and free from contamination. Prior to Paint application all surfaces should be assessed and treated in accordance with ISO 8504:1992.

Oil or grease should be removed in accordance with SSPC-SP1 solvent cleaning.

Concrete should be cured for a minimum of 28 days prior to coating. The moisture content of the concrete should be below 6%. All surfaces should be clean, dry and free from curing compounds, release agents, toweling compounds, surface hardener, efflorescence, grease, oil, dirt, old coatings and loose or disintegrating concrete. All poured and precast concrete must also be sweep blasted (preferred) or acid etched to remove laitance.

Surface preparation shall not take place in the following conditions:

- A) At temperature below 5 °C
- B) When the relative humidity greater than 85%
- C) When the surface temperature is less than 3 °C above the dew point
- D) Outside day light hours on exterior locations

- Apply EP-300 as soon as possible after surface preparation.

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## Application Method:

This material is a one component coating and should always be mixed thoroughly with a power agitator before application. Stir during application to maintain uniformity of material.

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Airless Spray	Tip range 0.015-0.017 inch Total output pressure at spray tip not less than 141 bar (2000 psi)
Air Spray	Nozzle orifice 1.8mm Nozzle pressure: 2-4 Bar (29-58 psi)
Brush	Typically 40 mic can be achieved.
Roller	Typically 40 mic can be achieved.

## ENVIRONMENTAL CONDITIONS:

- For satisfactory cure, air and surface temperature must be above 10 °C.
- To prevent moisture condensation during application, surface temperature must be at least 3 °C above the dew point.
- Never apply coatings under reverse environmental condition.
- Paint shall not be applied when wind speed is in excess of 7 m/s.

Air temperature	10 to 40 °C
Surface temperature	10 to 50 °C
Material temperature	15 to 40 °C
Relative humidity	Max 80 %

## Health and Safety:

This product is Flammable. Keep away from heat and open flame .Keep container closed .Use with adequate ventilation. Avoid prolonged and repeated contact with skin. If used in confined areas, observe the following precautions to prevent hazards of fire or explosion or damage to the health:

- 1-Circulate adequate fresh air continuously during application and drying.
- 2-Use fresh air masks and explosion proof equipment.
- 3- Prohibit all flames, sparks, welding and smoking.