

CAT. No. FLR-08-2010

POXILON - S

Chemical, Abrasion, Resistant Epoxy Coating

POXILON-S is a two component, colored, solvented polyamine-cured epoxy coating. It provides a tough, flexible, abrasion resistant film that withstands wear and chemical attack in a variety of applications. It is applied over concrete as an intermediate or finish coat and comes in wide variety of decorative colors and semi-gloss finish. **POXILON-S** can also be used as a decorative sealer coat over epoxy floor screeds such as ISOPOX 327S.

ADVANTAGES

- Longer pot life designed for Middle East climate.
- Provides excellent wear under fork lift traffic.
- Excellent chemical resistance.
- Easily applied by roller, brush or airless spray.
- Hardens to a tough, flexible, semi-gloss finish.
- Comes in attractive, variety of colors.
- Factory pre-weighed, ready to mix at site.
- Non-tainting. Suitable for areas that maybe in contact with foods.

USES

POXILON-S is used as a functional and decorative coating for protection of steel and concrete and wherever abrasion and chemical resistant properties are required. **POXILON-S** is especially suited for coating concrete floors such as found in : Dairies, assembly areas, workshop, aiseways and docks, chemical plant, warehouse, food processing plants.

TYPICAL PROPERTIES

1. Total Solids	58%±2 by volume
2. Minimum film thickness	86 Microns wet/coat. (50microns DFT)
3. Minimum film thickness	100 Mic./2 coats
4. Recommended number of coats	2-3 coats
5. Pot life at	
-25°C	3.5 Hours
-35°C	2 Hours
6. Touch dry at :	
25°C	6-7 Hours
35°C	4 Hours
7. Initial Dry	16-24 Hours
8. Full Cure	5-7 days
9. Maximum overcoat time	Within 48 hours
10. Chemical Resistance	Excellent resistance to mild acids, alkalies, solvents, petrol, oil etc. (chemical resistance chart available upon request)

DIRECTIONS FOR USE

NEW CONCRETE

New concrete should be at least 28 days old and preferably cured with polyethylene sheets, wet hessian or water. Any curing compound or excessive laitance should be removed by mechanical means (e.g. grinding, power disk etc.) Laitance should be removed by using 'DISOLVENT IS' (see separate leaflet)

OLD CONCRETE

Surface must be free from oil, grease, coatings, curing compounds and other foreign matter. Oils and grease should be

removed using ISOLA CHEMICAL DEGREASER (See separate leaflet).

In general, concrete should be free from dirt, foreign matters and dry before coating. Do not apply coating if relative humidity exceeds 75% and if ambient temperature is below 5 degrees Celsius. Do not apply coating on substrates where rising damp exist. Concrete slab-on grade should be protected with damp-proofing membranes.

PRIMING

Priming is not necessarily required for smooth dense troweled finish floors. For old and porous concrete apply ISOPRIME 30S at the rate of 4-6 square meters per liter per coat. The two components of ISOPRIME 30S should be mixed together for 3-5 minutes. Apply mixed primer onto the concrete by brush or roller and allow to dry until tack free. **POXILON-S** should be applied over primed surface within 48 hours.

(Note: On unprimed concrete surface, the first coat of **POXILON-S** may lose sheen on some areas due to differential absorption of the substrate. Succeeding coats will have uniform sheen)

COATING

Stir each individual component first, then the content of part B is added to part A container. Mix manually for 3-5 minutes until coating is streak-free and has a uniform color. Mechanical mixing using a slow-speed explosion proof drill fitted with a paddle (200-300 RPM) is highly recommended. Improper mixing may result in color shade variations or soft tacky surface. Do not add thinner or solvent. No part mixing should be allowed. The mixed coating is then applied over the prepared substrate by brush, short-haired lamb's wool roller, or by airless spray equipment.

Apply coating onto the substrate and check wet film thickness with a wet film thickness gauge. Allow first coat to dry before applying succeeding coats at the same spreading rate. Any materials left unused after the pot life has expired should not be used.

(Note: Theoretical spreading rate only applies to a plain smooth surface and tends to be lesser depending on substrate profile and porosity. Regardless of the actual coverage, the minimum wet film thickness should govern).

CLEANING

Clean tools immediately while coating is still fresh with ISOKLEEN.

SHELF LIFE

Twelve months from date of manufacture stored in original container below 32^o Celsius.

PACKING/ COVERAGE

POXILON-S is packed in 2.50 kg kit parts A and B and will yield a theoretical coverage of 20 square meters per kit, per coat (10 square meters per kit, 2 coats)

HEALTH/ SAFETY

Epoxy resins and hardener may cause skin irritations to some sensitive persons. Users are advised to wear protective coveralls, eye goggles and rubber hand gloves. When working in confined areas, use forced air ventilation to drive off solvent vapors. When accidentally spilled on the skin, wash immediately with water and soap. If accidentally spilled on the eyes, wash with plenty of water and seek medical attention. Refer to MSDS for more information.

FIRE HAZARD

POXILON-S, ISOKLEEN and ISOPRIME 30S contains flammable solvent. Keep away from open flames or sources of heat. In case of fire, use carbon dioxide or foam extinguishers

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Technical information, data are to be considered as typical values and not sales specification. Actual measured values may vary due to factors beyond our control. Indications concerning function and application of the products are empirical. Although the information is believed to be accurate, there is no warranty by ISOLA. None of the recommendations becomes part of the warranted quality of the products. Due to the fact that the conditions of individual use are beyond ISOLA's direct and continuous control, ISOLA disclaims all responsibility in connection with the use of its products and does not warrant against any loss direct or consequential

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