

CAT. No. FLR-10-2011

POXILON 100

Moisture – Insensitive Epoxy Coating

POXILON 100 is 100% solids, solvent free, high build epoxy system especially formulated to provide excellent chemical and abrasion resistance. **POXILON 100** is moisture insensitive and can be applied over damp substrate. It is suitable for protection of concrete and steel both above and below water and generally in areas around a marine environment.

ADVANTAGES

- Moisture insensitive can be applied on damp substrate.
- Excellent resistance to raw sewage and sea water.
- High build, glossy finish.
- Excellent abrasion and chemical resistance.
- Cured film is non-toxic. Suitable for application in areas in direct contact with potable drinking water (PW GRADE)

USES

- Marine-maintenance coating in or near salt water including bilges, pump intakes, ballast tanks, structural steel, steel pilings, splash zones, concrete foundation, etc.
- Industrial – steel culvers, water works and sewage, interior swimming pool, decks, steel pipes etc.
- Coating of concrete tanks for potable water (PW grade).

TYPICAL PROPERTIES

- Specific Gravity @25/25 degrees Celsius : 1.33 ± 0.02
- Solid content : 100%, solvent free
- Pot life @35/25 Degree Celsius : 30/60 minutes
- Touch Dry @35/25 Degree Celsius : 3/6 hours
- Re-coat interval : 16 – 48 hours
- Full cure : 7 days
- Recommended coating thickness (WFT/DFT) : 200-250 microns per coat.
- Number of coats : Two minimum
- Chemical Resistance : Resistant to dilute acids, alkalies, chlorinated/ sewage water, etc (Please refer to separate chemical resistance chart)

DIRECTION FOR USE

SURFACE PREPARATION

Substrate must be sound, clean, preferably dry and free from rust, coatings, sealers, curing compounds, dust oil/grease and other foreign matters. New concrete should be at least 28 day old.

- | | |
|---------------|--|
| - Blow holes | Fill with ISOPOX WP (Epoxy putty) |
| - Oils/Grease | Remove using DEGRIS (Chemical degreaser) |
| - Steel | Grit blast to near white standard |

PRIMING

Priming is not necessary necessarily required for new, dense finished concrete substrate. For old, porous concrete substrate, prime the substrate first using ISOPRIME 30S. Similarly, if coating has to be deferred for some time, apply ISOPRIME 30S on the steel substrate immediately and/ or before two (2) hours elapsed time after grit blasting.

MIXING

Stir each individual components first, then transfer the contents of Part B (Hardener) in to the Part A (Resin) container. Mix manually for 3-5 minutes until coating is streak-free. After mixing, transfer to a shallow paint tray and apply immediately within the indicated pot life.

COATING

Apply **POXILON 100** on to the substrate using a 3/8 inch nap roller or paint brush, at the rate of 3-3.75 square meters per kilogram per coat (250/200 microns dry film thickness respectively). Allow first coat to dry before applying succeeding coats at the same theoretical spreading rate. Any material left unused after the pot life has expired should not be used.

CLEANING

POXILON 100 can be cleaned-off from tools while still wet using ISOKLEEN.

COLOR / SHELF LIFE

POXILON 100 is available in standard grey, off white, green brick red. Other colors can be made available depending on quantity. Shelf life is twelve (12) months when stored in original container in a covered room below 30 degrees Celsius ambient temperature.

PACKING / COVERAGE

POXILON 100 is packed in 2.50 Kg kit (1.88 liters) and will theoretically cover 7.5 square meters (250 microns DFT) or 9.4 square meters (200 microns DFT) per coat.

HEALTH & SAFETY

Epoxy resins and hardener may cause skin irritation. Users are advised to wear protective coveralls, eye goggles and runner hand gloves. When accidentally spilled on skin, wash immediately with water and soap. For other safety details, refer to separate material safety data sheets.

Revised: 15.01.2023

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

