

CAT. NO. FLR-17-2011

# POXILON 200

## Epoxy Polysulfide Coating

**POXILON 200** is a two component, flexible, high build protective coating based on polysulfide-modified epoxy system. Combining the desirable properties of epoxy and polysulfide, the system is specially developed to protect concrete and steel against aggressive chemicals. It is highly resistant to oils, dilute acids, fuels, alkalis, etc....

### APPLICATIONS

- Protection of intake channels, piping, industrial effluents drainage system.
- Internal protection of sewage treatment plants, sewer manholes, tanks.
- Industrial floors such as found in warehouse, parking, hangars, Oil refineries, power stations, other related industries.
- -Applications where toughness, flexibility and chemical resistance are required.

### ADVANTAGES

- Excellent chemical resistance to fuel, oil, dilute acids, alkalies, sea/ sewage water, solvents, etc..
- Tough yet flexible with crack-bridging property.
- Abrasion and impact resistant.
- Superior bond to a wide variety of substrate.
- 100% solids; solvent-free.
- Waterproof
- UV resistant

### TYPICAL PROPERTIES

- |                                                             |                                                           |
|-------------------------------------------------------------|-----------------------------------------------------------|
| • Volume solids                                             | 100%                                                      |
| • Specific gravity @ 25 <sup>o</sup> Celsius                | 1.40 +/- 0.02                                             |
| • Pot life @ 45/35/25 <sup>o</sup> C                        | 15/30/45 Minutes                                          |
| • Tack-free time                                            | within 8 hours @ 25 <sup>o</sup> Celsius                  |
| • Full cure at 25 <sup>o</sup> Celsius                      | 3 days                                                    |
| • Tensile strength (ASTM D412)                              | 7 N/ sq.mm                                                |
| • Elongation at break (ASTM D412)                           | 50%                                                       |
| • Hardness, shore D                                         | 80                                                        |
| • Abrasion resistance(CS-17 wheel),<br>500grams, 500cycles) | 70                                                        |
| • Bond strength (pull off)                                  | > 2 N/ sq.mm (concrete failure)<br>> 3.5 N/ sq.mm (steel) |
| • Chemical resistance                                       | data available upon request                               |
| • Minimum thickness per coat                                | 250 microns                                               |
| • Recommended total thickness                               | 500 microns                                               |

### DIRECTIONS FOR USE

### SURFACE PREPARATION

Concrete must be cured for at least 28 days. Surfaces must be structurally sound, clean, dry and free from dust, oil, grease, curing compounds, and other loose debris. Recommended methods for preparing concrete are by sandblasting, water jet, acid etching, grinding, wire brushing, or by pneumatic tools. Iron and steel must be free of

rust, mill scale, oil, grease, and other impurities. Steel substrate should be cleaned preferably by grit blasting or rotary wire brush.

#### **PRIMING**

New concrete and well prepared steel substrate do not require priming. For old, porous concrete substrate apply one coat of **ISOPRIME 30-S** at the rate of six (6) square meters per liter.

#### **MIXING/ APPLICATION**

**POXILON 200** is supplied in pre-weighed kits (Parts A & B). The entire contents of Parts A & B are combined together in a clean container and mixed for at least three (3) minutes until uniform in color. The mixed liquid is then transferred to a paint tray. Apply immediately using a short nap roller or stiff nylon brush. Allow first coat to dry. Succeeding coat should be applied within 24 hours. If application is delayed, the first coat must be abraded with emery cloth and wiped with **ISOKLEEN**.

(Note: **POXILON 200** is available in standard grey and black color. It is highly recommended to apply in two contrasting colors to ensure complete coverage).

#### **PACKING/ COVERAGE**

**POXILON 200** is packed in 4.5 liter kit (Parts A & B) and will theoretically cover 18 Square meters per coat at 250 microns DFT or 9 square meters per 2 coats at 500 microns DFT.

#### **CLEANING**

Clean tools/ equipment immediately after use and while coating is still wet using **ISOKLEEN**.

#### **STORAGE**

One year shelf life in original unopened packing stored in warehouse condition below 30° Celsius ambient temperature.

#### **HEALTH/ SAFETY**

Always use protective hand gloves and eye goggles when handling this product. Remove immediately with soap and water if fresh material comes in contact with skin. If accidentally splashed in the eyes, wash with plenty of water and seek medical attention. Refer to separate MSDS for more details.

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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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