



Data Sheet and Application Guide

Product Description

Thortex Poly-Nox is a water based acrylic anti corrosive coating specifically developed to provide long term protection and encapsulation of previously coated structures.

Product Features

- Combines good application characteristics with fast drying capabilities.
- Can be applied to steel and concrete structures.
- Helps provide up to 10 years low maintenance protection.

Surface Preparation

Surfaces should be degreased and free from dirt, rust and other contamination. Rust should be removed by wire brush, high pressure water jetting or mechanical grinding.

Any resultant dust and debris must be removed prior to application.

Application Procedures

Application should not be carried out at temperatures below 7°C (45°F) nor when relative humidity exceeds 85% or when the surfaces to be coated is less than 3°C (5°F) above the dew point.

Thortex Poly-Nox can be applied by brush, roller or spray. For brush application good quality stiff bristled brushes should be used. For roller application medium to long pile rollers should be used.

For application by Spray typical spray settings are:-

Minimum: 32:1 pump

15-19 Thou Tip

3000 - 3500 Tip Pressure

Spray equipment should be fitted with a 100 mesh inline filter.

Thortex Poly-Nox should be applied to achieve a minimum dry film thickness of 350 microns (14 mils) either as a single coat by spray or two coats by brush. For brush application the first coat should be allowed to dry to the touch (approximately 60 minutes depending on substrate and weather conditions) prior to the second coat being applied.

All equipment should be cleaned IMMEDIATELY after use with clean water, any stubborn deposits can be removed with solvent-based cleaner.

Properties

Property	Value
Color	Grey, White, & Custom colors
Drying & Cure times at 20°C (68°F)	
Touch Dry*	Approx 1 hour
Hard Dry	24 hours
Minimum Overcoating*	Approx 1 hour
Maximum Overcoating	Indefinite provided surface is clean
Volume Solids	60%
Film Thickness (Typical)	Wet - 585 microns (35 mils) Dry - 350 microns
Theoretical Coverage Rate	1.7 m ² /L @ 350 microns (18ft ² /L @14 mils)

* Touch dry and minimum overcoating times are for open areas with good air movement, drying times will be extended in enclosed areas with limited air movement.

Packaging and Storage

Supplied in 20 liter units.

Use within 5 years from date of manufacture. Store in original sealed containers at temperatures between 5°C (40°F) and 30°C (86°F).

Handling and Safety Precautions

Read all Health Hazard, Precautionary and First Aid, Material Safety Data Sheet, and/or product label prior to handling or use.

Ordering Information/Customer Service

For ordering technical or product information, or a copy of the Material Safety Data Sheet, please contact us:

Phone: 610-831-0222

Fax: 610-831-1910

Email: info@thortex.com

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