

Description

Wathane is a water base one components, gloss polyurethane coating with good gloss and color retention.

Wathane As a finishing coat for protection of concrete floor in the severely corrosive atmospheric to normal ambient environment, where light-fastness and gloss retention are required. The minimum temperature for curing is -10°C/14°F.

Recommended use

Adhesion
Weather Resistance
Temperature resistance

Excellent to primed surfaces.
 Excellent on correctly prepared and primed concrete floor.
 Dry: Maximum 120 °C. At service temperatures above 100°C/212°F, slight discoloration may be expected.

Physical properties

Colors
Finish
Solid Volume%
Theoretical spreading rate

Clear
 Full Gloss
 44±2
 11.3 m²/lit-30 Mic.
 476 sq.ft./US gallon-1.9 mils

Flash point
Specific gravity
V.O.C.
Shelf life

32 °C
 1 kg/lit-8.4 lbs/US gallon
 Max. 65gr/lit
 1 Year (25°C / 77°F) from time of production. Depending on storage condition, mechanical stirring may be necessary before usage.

Application details**Conditions**

Do not apply when relative humidity exceeds 80% or when the surface to be coated is less than 3°C above the dew point.

Method
Thinner (max. vol.)
Spray setting
Pump ratio minimum
Tip size
Tip pressure

Airless sprays-Roll
 Water (10%)
 30:1
 0.017"–0.019."
 150 bar/2100 Psi
 (Airless spray data are indicative and subject to adjustment)

Brush (touch-up)
 Water (5%)

Cleaning of tools
Indicated film thickness, dry
Indicated film thickness, wet

Water
 35 microns
 100 microns

Drying and Curing Times at (20°C)

Dry to touch	6 hours
Hard dry	24 hours
Full curing	Seven days
Recoat interval, min	4 hours
Recoat interval, max	None, see REMARKS

Remarks

PRECEDING COAT: None.

SUBSEQUENT COAT: None.

Colors : Certain lead-free red and yellow colors may discolor when exposed to chlorine-containing atmosphere. Leaded colors may become discolored when exposed to the sulfide-containing atmosphere.

Film thickness: May be specified in another film thickness than indicated depending on purpose and area of use.

This will alter the spreading rate and may influence drying time and recoating intervals. Typical range is 30-40 microns/1.2–1.6 mils.

Recoating and drying/curing time

Recoating intervals related to later conditions of temperature:
(40 micron/1.6 mils dry film thickness of wathane)

Physical data versus temperatures:						
Surface temperature		-10°C/14°F	0°C/32°F	10°C/50°F	20°C/68°F	30°C/86°F
Dry to touch approx.		Three days	36 hours	16 hours	6 hours	4 hours
Resist condensing humidity/light showers after		Seven days	Three days	32 hours	16 hours	12 hours
Fully Cured		Two months	32 days	14 days	Seven days	Five days
Recoating interval	Min	Six days	Three days	32 hours	16 hours	12 hours
	Max	None	None	None	None	None

A completely clean surface is mandatory to ensure inter-coat adhesion, especially at long recoating intervals. Any dirt, oil, and grease have to be removed, e.g., with a suitable detergent.

Salts to be removed by freshwater hosing. To check an adequate quality of the surface cleaning a test patch is recommended before actual recoating.

Safety

Handle with care. Before and during use, observe all safety labels on packaging and paint containers, consult Chemstuk material safety data sheets and follow all local and national safety regulations. Harmful or fatal if swallowed; immediately seek medical assistance. Avoid inhalations of possible solvent vapors or paint mist, as well as paint contact with skin and eyes. Apply only in well-ventilated areas and ensure that adequate forced ventilation exists when applying paint in confined spaces or when the air is stagnant. Always take precautions against the risks of fire and explosions.