

Cythane906 TOPCOAT

Aliphatic Urethane coating for exterior and interior surfaces

USES

- Provides an easy to clean and attractive protective coating for cementitious or metallic substrates.
- Suitable for industrial structural steel, tanks, piping and concrete floors and walls in power, water water treatment, pulp and paper, chemical, petrochemical, food and beverage plants and pharmaceutical production areas where only foot traffic and light vehicles are expected. This hard, non-chalking coating cures through chemical reaction, and is not dependent on atmospheric conditions.

SPECIAL FEATURES

- Hard, durable, matt finish
- Easy to clean
- Attractive range of colours
- Good chemical resistance
- High abrasion resistance
- No chalking, UV light resistance

DESCRIPTION

Cythane906 Topcoat is a two component aliphatic urethane with exceptional resistance to chemicals and ultraviolet light.

Each component is factory packaged in ratio & ready for on site mixing. The resin component is coloured differently and hardener is clear to give a visual on complete mixing prior to use.

TYPICAL PRODUCT DATA

Properties	Cythane906 Topcoat Light Grey	Cythane906 Topcoat Natural (White)	Cythane906 Topcoat Clear
Solids content (%)	63 ± 3 %	63 ± 3 %	46 ± 3 %
Viscosity at 30°C (Fordcup B4)	80 ± 5 seconds	80 ± 5 seconds	70 ± 5 seconds
Specific gravity (After mixing)	1.17 ± 0.03	1.17 ± 0.03	1.03 ± 0.03
Flash point (Closed Cup)	15°C	15°C	15°C
Flexibility	Very Good	Very Good	Very Good
Water resistance	Very Good	Very Good	Very Good
Gloss	High Gloss	High Gloss	High Gloss
Solvent resistance	Very Good	Very Good	Very Good
Gloss retention	Excellent	Excellent	Excellent
Abrasion resistance	Very good	Very good	Very good
Temperature resistance	Up to 120°C dry temperature	Up to 120°C dry temperature	Up to 120°C dry Temperature

	Film thickness per coat in microns		Theoretical spreading rate (m ² /Kg)
	Dry	Wet	
Application range	30 - 50	52 - 87	16.50 – 9.92
Typical	40	69	12.39

APPLICATION

- Application methods : Airless or Conventional spray. Brush may be used for smaller areas.
 Mixing ratio : parts by Volume of Part A (base) to 1 part by Volume of Part B(curing agent).
 Potlife at 23°C : 8 hours (Reduced at higher temperature)

Guiding data for airless spray gun

- Pressure at nozzle : 9 – 15 MPa (1200 – 2100 psi)
 Nozzle tip : 0.33 – 0.46 mm (0.013 – 0.018")
 Spray angle : 20 – 60°.
 Filter : Check to ensure that filters are clean.

SURFACE PREPARATION

Cythane906Topcoat is a finish coat in coating system and the previous coating must be clean and dry and the maximum recoat interval must not be exceeded. Consult the appropriate data sheets for surface preparation requirements for the other coatings in the system.

CONDITION DURING APPLICATION

The temperature of the substrate should be maximum 10°C and minimum 3°C above the dew point of the air, temperature and relative humidity measured in the vicinity of the substrate. The drying surface is sensitive to moisture condensation and relative humidity during application and until hard dry condition is achieved should be less than 85 %. Good ventilation is necessary when the paint is used in confined spaces. With forced ventilation, avoid heated air at first as this may cause surface drying and solvent entrapment. **Cythane906Topcoat** should not be exposed to mechanical wear before fully cured.

DRYING TIME

Drying times are generally related to air circulation, temperature, film thickness and number of coats, and will be affected correspondingly. The figures given in the table are typical with :

- Good ventilation (Outdoor exposure or free circulation of air)
- Recommended film thickness
- One coat on top of inert substrate

Substrate temperature (°C)	Surface Dry (Hours)	Hard Dry (Hours)	Cured (Days)	Dry to recoat	
				Minimum (Hours)	Maximum (Days)
23	3	16	7	16	3
35	1	8	3	8	1-2

The surface should be free from contamination prior to application. If the maximum time is exceeded it is necessary to roughen the surface.

Please note that the above values are typical readings & should not be used for Specification purpose.

TYPICAL RECOMMENDED PRIMER SYSTEM

Solventless Epoxy Primer @ 75 microns.



Cythane-906

Polyurethane

STORAGE

The product must be stored in accordance with standard regulations. Preferred storage conditions are to keep the containers in a dry space provided with adequate ventilation. The containers should be sealed tightly.

HEALTH AND SAFETY

Please observe the precautionary notices displayed on the container. Spray under well-ventilated conditions. Do not breathe or inhale mist. Avoid skin contact. Spillage on the skin should immediately be removed with suitable cleaner, soap and water. Eyes should be well flushed with water and medical attention sought immediately.

