

Tyrothane Clear

Polyurethane protective clear coating for decorative surfaces

Description

ConGuard Tyrothane Clear is a two component premium quality acrylic polyurethane clear top coat having exceptional resistance to UV rays, chemicals, solvents, water and colour retention properties.

Recommended Substrates

- ConGuard Tyrothane Clear is suitable for external and internal application on concrete, plaster, masonry, brickwork, gypsum, asbestos, fully cured epoxies, water based texture paints, cement and hard wooden boards.
- It can also be applied as a top coat for ConTExtra Tyro System and mineral based decorative plaster or render.

Technical Data

Colour	Clear Liquid
Volume of Solids (ASTM D 2697)	51 ± 3 %
Mixed Specific Gravity (ASTM D 1475)	0.97 ± 0.2
Theoretical Coverage	10 - 12 m ² /ltr @ 75 - 85 micron wft
Pot Life	5 hours (reduced at higher temperature)
Drying Time @ 25°C	Surface dry : 2 – 3 hours
Recoat Time (+5°C to 40°C)	8 - 24 hours
Fire Hazard Class	Flammable





Performance Features & Benefits

- Highly durable
- UV & Water resistance
- Resistance to wide range of chemicals
- Good abrasion resistance
- Good solvent resistance
- Can be applied fully cured epoxies
- Can be applied as a top coat on water based, textured paints
- Smooth seamless finish



Surface Preparation

The performance of this coating is directly related to the quality of surface preparation.

- Ensure surface is clean, dry and free from oil, grease and other contaminants.
- The surface should be rigid and sound.
- Fungal growth must be treated with suitable Fungicidal Solutions.
- The moisture content of the prepared substrates should be less than 5%.
- One coat of penetrating sealer can be applied (if required).



Application Tools

- Paint Roller
- Paint Brush
- Paint Spray



Method of Application

- Application should be carried out with proper ventilation. Windows and doors should be kept open and maximum ventilation should be permitted for drying process.
- ConGuard Tyrothane Clear Matt (M) is supplied in two containers as pre measured units.
- Stir base and hardner components separately.
- Using slow speed drill machine fitted with a paddle, mix both the components for at least 3 minutes to obtain a uniform mix. Part mixing should be avoided.
- Prepared surface should be primed by applying one coat of Conmix ConDure Primer, applied using roller, brush or spray.
- ConGuard Tyrothane Clear Matt (M) has to be applied between 6 to 24 hours after the application of the primer.
- Apply the material using a brush, roller or spray.
- A minimum of two coats should be applied to achieve the desired results.
- For application by airless spray, use nozzle size "0.018 to 0.028" and pressure 2100 psi.



Recommended Paint Systems

- 1 X Conmix ConDure Primer
- 2 X Conmix ConGuard Tyrothane Clear

- 1 X Conmix ConDure Primer
- 2 X Conmix ConDure Stucco Filler
- 2 X Conmix ConGuard Tyrothane Clear

- 1 X Conmix ConDure Primer
- 2 X Conmix ConTextra Tyro Compound
- 2 X Conmix ConGuard Tyrothane Clear





Pack Size

1 USG & 5 USG



Shelf Life

18 months from date of production, provided the product is stored properly in original unopened packing under proper storage conditions.



Storage

The product must be stored in accordance with national regulations. Storage conditions are to keep the containers in a dry, cool, well ventilated space and away from source of heat and ignition. Containers must be kept tightly closed.



Safety Information & Exposure Controls

It is a solvent based material. Do not breathe or inhale mist. Avoid skin contact. Spillage on the skin should immediately be removed with suitable cleanser, soap and water. Eyes should be well flushed with water and medical attention sought immediately.

Refer material safety data sheet as well.



General Information

Stir well prior to use.

Keep the container tightly closed to prevent drying.



Special Notes

Before painting the following aspects should be checked thoroughly:

- Moisture content of the wall (ideal condition – below 8%)
- pH value of the wall surface (ideal condition – below 11)