



TRIOCOR FINISH 5500

Acrylic polyurethane coating

DESCRIPTION: A two-pack acrylic polyurethane topcoat.

TYPE AND RECOMMENDED USE:

As a topcoat to give protection of steel as part of an anti-corrosive coating system in severely corrosive environments up to C5 as defined in ISO 12944-2 including industrial and infrastructure facilities. It has high-performance decorative properties and very good gloss and colour retention under UV rays.

May be used at temperature up to + 120 °C.

PHYSICAL CONSTANTS:

Colour: Wide range via RAL catalogue.

Volume solids: 55±5 %

Theoretical spreading rate: 0.091 ltr/m² - 50 microns DFT.

Film thicknesses: Normal range dry is 50 - 80 microns, maximum sag tolerance with overlap typically 100 microns.

Film thicknesses:

Typical thicknesses

Film thicknesses	WFT, microns	DFT, microns
Recommended	91	50

Drying times:

Drying times for 50 microns DFT								
Substrate temperature	0°C	5°C	10°C	15°C	20°C	25°C	30°C	35°C
To touch	6 hours	3 hours	2 hours	1 hour	50 minutes	45 minutes	35 minutes	30 minutes
To recoat:								
TRIOCOR FINISH 5500	24 hours	16 hours	12 hours	8 hours	7 hours	6 hours	5 hours	4 hours

Drying time is thickness dependent. These figures are given as a guide only. Factors such as air movement and humidity must also be considered.

SURFACE PREPARATION:

This material should be applied on prior prepared and primed surface. Ensure surfaces to be coated are clean, dry and free from all surface contamination, with a temperature at least 3°C above the dew point. Typical surface preparation includes degreasing (if necessary), salt removing (if necessary) and dust removing from primed surface.

If the maximum overcoating interval of primed surface is exceeded, roughening of the surface is necessary to ensure intercoat adhesion.

APPLICATION DETAILS:

Material preparation:

A two component material. Before mixing with the Additive stir the Base and the Additive separately. Mixing Ratio: 9 parts Base to 1 part Additive by volume, maintain stirring to have the wet paint as a homogeneous mixture.

Technical Data Sheet



Pot life: 3 ½ hours – 15 °C 2 ½ hours – 20 °C 1 hour– 35 °C

Application method: Airless Spray / Manual application.

Thinner: TRIOSOLV 0003 (if necessary), up to 10 % by volume.
Contact your O3-Coatings representative for additional data.

Nozzle size (recommended): .011" - .015"

Operating pressure (recommended): (150-200) bar.

Cleaning of tools: Thinner TRIOSOLV 0003 (other solvents may be used in consultation with O3-Coatings).

Application conditions: Should be applied at temperatures above -10°C; Relative humidity: 85% maximum;
(In confined spaces provide adequate ventilation during application and drying).

RECOMMENDED SYSTEMS:

Primer: TRIOCOR MASTIC 4500. Contact your O3-Coatings representative for additional data.

STORAGE: For base: 24 months from date of manufacture, for additive: 12 months from date of manufacture. Store in dry, shaded conditions at temperature between +0°C and +30°C in hermetic original package away from UV rays and other sources of heat.

ADDITIONAL NOTE: Numerical values quoted for physical data may vary slightly from batch to batch.

PACKAGE: Base – 20L container;
Additive – 3L container.

HEALTH AND SAFETY: Refer to the Safety Data Sheet before use.