Technical Data Sheet

# 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 plus 120 °C.

**PHYSICAL CONSTANTS:**

**Color:**

Wide range via RAL catalogue.

**Volume solids:**

58±5 %

**Theoretical spreading rate:**

0,086 kg/m$^2$ at DFT 50 microns.

**Film thicknesses:**

Normal range dry is 50–80 microns, maximum sag tolerance with overlap typically 100 microns.

**Typical thicknesses**

| Film thickness | WFT, microns | DFT, microns |
|---|---|---|
| Recommended | 86 | 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.

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**APPLICATION DETAILS:**

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| **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. |
| **Pot life:** | 3 ½ hours –15 °C  2 ½ hours – 20 °C  1 hour – 35 °C |
| **Application method:** | Airless spraying / Manual application. |
| **Thinner:** | TRIOSOLV 0003 (if necessary), up to 10 % by volume.<br>Contact your O3-Coatings representative for additional data. |
| **Nozzle size (recommended):** | .011”–.015” |
| **Operating pressure (recommended):** | (150–200) bar. |
| **Cleaning of tools:** | Xylene, TRIOSOLV 0003 (other solvents may be used in consultation with O3-Coatings). |
| **Application conditions:** | Should be applied at temperatures above minus 10 °C; Relative humidity: 85 % maximum;<br>(In confined spaces provide adequate ventilation during application and drying). |

**RECOMMENDED SYSTEMS:**

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| **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 plus 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;<br>Additive – 3L container. |
| **HEALTH AND SAFETY:** | Refer to the Safety Data Sheet before use. |