

DESCRIPTION	C-Thane S350 is an acrylic polyurethane enamel cured with aliphatic isocyanates with the following key properties: <ul style="list-style-type: none"> – High gloss – Good quality and appearance – High resistance outdoor – Fireproof – Recoatable over time – Available in the ICS (Industrial Coatings Solutions) tinting system – Product ACQPA nº. 37431.
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MAIN APPLICATIONS	C-Thane S350 is recommended as a topcoat for epoxy or polyurethane paint systems in industrial installations, maritime environments, oil refineries, the exterior of storage tanks and bridges.
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Theoretical coverage

 16.2 – 8.1 m²/L at 40 – 80 µm

Consider losses due to application, surface irregularities etc.

Drying time

At 50 µm:

		10 °C	20 °C	30 °C
To touch		3 h	1.5 h	20 min
Dry through		16 h	7 h	5 h
Overcoating (*)	Mín.	8 h	4 h	3 h
	Máx.	Extended (**)	Extended (**)	Extended (**)

Drying times depend on temperature, ventilation and film thickness.

An accelerator additive, named by Acelerador C-Thane, Ref. 25211, can be used in order to reduce drying times: mix ratio of 1 L of additive to 20 L of paint, then the dry-through times for 80 microns of dry film thickness are:

At 23 °C and 50 % relative humidity : 2.5 h

At 10 °C and 70 % relative humidity: 8 h

(*) See overcoating details on Surface Preparation paragraph

(**) The maximum recoating intervals would be lower depending on the environmental conditions in which the painted surface was or will be exposed, and the nature of the coat to apply, so, it may be necessary to give roughness to the substrate before the recoating.

PAINT SYSTEM

Steel: All types of epoxy primers and intermediate coats.

SURFACE PREPARATION

Coating performance is proportional to the degree of surface preparation. Refer to application instructions for specific primers being used.

Recoating: To ensure adhesion between coats, it is absolutely necessary that the surface is completely clean. The recoat surface should be free of dirt, oil and grease, which should be removed by proper washing. Salt deposits should be removed by high pressure water cleaning. To ensure the surface proper cleaning, it is recommended to realize a previous test in a small area before total application. If for any reason, it was no possible to realize this test, the only way to ensure adhesion between coats is roughening the surface. If recoat is done with other paint, time is reduced at 72 hours; after that, it should be assured adequate roughness to the previous coat.

APPLICATION

Add the cure to the resin and stir for 5 minutes. In enclosed areas there must be good ventilation during application and drying to allow the solvents to evaporate.

Use only the thinners that have been recommended in this Technical Data Sheet.

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C-THANE S350**7P-351 + 7P-352****Acrylic polyurethane enamel cured with aliphatic isocyanates**

Revision: February 2021

Environmental application and drying conditions:

Temperature	7 – 40 °C
Relative humidity	< 85 %
Minimum surface temperature	3 °C above dew point
Maximum surface temperature	40 °C

Application equipment**Conventional spray**

Fluid tip orifice size	Recommended 0.055 – 0.070 inches (1.39 – 1.77 mm)
Air pressure	3.1 – 4.2 kg/cm ²
Paint pressure	0.7 – 1.4 kg/cm ²
Thinning	0 – 10 %
Thinner	7Q-680 (Dil. CP-81); 7Q-600 (C-Thane Thinner)

Airless spray

Fluid tip orifice size	Recommended 0.011 – 0.013 inches (0.28 – 0.33 mm)
Compression ratio	30 : 1
Working pressure	150 - 170 kg/cm ²
Thinning	0 – 10 %
Thinner	7Q-680 (Dil. CP-81); 7Q-600 (C-Thane Thinner)

Brush/Roller

Thinning	5 – 10 %
Thinner	25-242 (Dil. C-Thane R/T)

Cleaning thinner: 7Q-680 (Dil. CP-81); 7Q-600 (C-Thane Thinner)

The use of thinners not recommended by CIN may affect the ease of application, require excessive dilution and affect the drying / cure of the product, and may affect performance over time.

APPROVALS AND CERTIFICATES

C-Thane S350 has been certified by OTEC according to UNE 48274.

C-Thane S350 has been certified by OTEC according to UNE 48294.

C-Thane S350 is certified according to EN 13501-1 to meet B-s1, d0.

C-Thane S350 has been analyzed under UNE 48306.

C-Thane S350 family is certified for paint systems, according to EN ISO 12944, up to C5 category.

C-Thane S350 family is certified for anticorrosive paint systems according to ACQPA, nº. 37431, to meet C3 (C3 ANV1492) and C4 (C4 ANV 1491) categories.

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ADDITIONAL INFORMATION

Drying mechanism – By solvent evaporation and chemical reaction between the components.

Volatile Organic Compounds (VOC)

EU limit for this product (cat. A/j): 500g/L

This product contains at maximum 393 g/L (TVOCC: 34 %)*

Supply form: < 346 g/L (TVOC: < 29 %)

VOC Resin: 320 g/L (TVOC: 26 %)

VOC Cure: 269 g/L (TVOC: 25 %)

VOC Thinner 7Q-600: 892 g/L (TVOC: 100 %)

VOC Thinner 7Q-680: 862 g/L (TVOC: 100 %)

VOC Thinner 25-242: 840 g/L (TVOC: 100 %)

VOC Cleaner: 862 g/L (TVOC: 100 %)

*) The VOC value shown above refers to a ready for use product, as tinted, thinned, etc in accordance with our recommendations. We are not responsible for products obtained by mixing products with are different from those we have recommended and we must draw attention to the responsibility of anyone involved within the supply chain not to infringe Directive 2004/42/CE.

Flashpoint

Resin 30 °C

Cure 25 °C

Thinner (7Q-600) 25 °C

Thinner (7Q-680) 20 °C

Thinner brush/roller 24 °C

Cleaner 20 °C

Packaging

Resin 3.42 and 17.16 L

Cure 0.57 and 2.86 L

Shelf life

Resin: 24 months, when stored in original containers, indoors, between 5 and 40 °C.

Cure: 12 months, when stored in original containers, indoors, between 5 and 40 °C.

HEALTH, SAFETY AND THE ENVIRONMENT

In general, avoid contact with the eyes and skin; gloves, goggles and appropriate clothing should be worn. Keep out of the reach of children. Use only in well ventilated areas. Do not empty into drains. Keep the container properly sealed and stored in the correct place. Take correct measures when transporting the product so as to avoid any accidents that could rupture the can or cause damage to the packaging. Ensure that the container is correctly stacked in a safe area. Do not store or use the product in extreme temperature conditions.

For more information it is essential to read the label on the container and the product MATERIAL SAFETY DATA SHEET of this product, its components and all complementary products referred on Technical Data Sheet.

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