

71T(L) Industrial Coatings (RN/I)

Review : April 2021

1 DESCRIPTION

A **POLYESTER** thermosetting powder coating TGIC free range. Specially designed for industrial applications, in areas where good exterior durability in harsh environments is required.

Available in different gloss levels, finishes and colours.

Benefits:

- Good UV and weathering resistance.
- Gloss retention and resistance to colour change.
- Mechanical and abrasion resistance.
- Blanching resistance
- Corrosion resistance.
- Chemical resistance.
- Water condensation resistance.

Uses:

- For Agricultural & Construction Equipment (ACE)
- Fences market.
- Any other applications where outdoor durability and colour and gloss retention are required, like metal railings, metal roofs, wall panels, curtain walls, elevator components, garden furniture, cabinets, industrial equipment etc.

2 FAMILIES

Gloss	Smooth	Texture / Speckle	River Texture	Metallic	Textured Metallic	River Texture Metallic	Enamels
Glossy	71T00(1) 71L00(1)	71TT0(1) 71LT0(1)	71TG0(1) 71LG0(1)	71TB0(1) 71LB0(1) 71TM0(1) 71LM0(1)	71TZ0(1) 71LZ0(1) 71TL0(1) 71LL0(1)	71TY0(1) 71LY0(1)	71TV0(1) 71LV0(1)
Satin	71T02 71L02	71TT2 71LT2	71TG2 71LG2	71TB2 71LB2 71TM2 71LM2	71TZ2 71LZ2 71TL2 71LL2	71TY2	71TV2 71LV2
Matt	71T03 71L03	71TT3 71LT3	71TG3	71TB3 71LB3 71TM3 71LM3	71TZ3 71LZ3 71TL3 71LL3	71TY3	71TV3 71LV3
Super Matt	71T04 71L04	71TT4 71LT4	71TG4	71TB4 71LB4 71TM4 71LM4	71TZ4 71LZ4 71TL4 71LL4	71TY4	71TV3 71LV3

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3 PROPERTIES

Gloss (60°) (EN ISO 2813) GU *	Super Matt: ≤5 / Matt 6-30 / Satin :31-70 / Glossy > 70 (To structured finishes and highly metallic does not apply, then visually)
Density (g/cc) :	1,2 to 1,9
Particle size (EN ISO 13320)	Average diameter 35-54 µm
Recommended Thickness	Minimum 60 µm or 80 µm for textured and river textured finishes. Differences in thickness may cause differences in appearance.
Coverage	9 to 13 m ² /kg at 60 µm
Type of application	Corona /Tribo**
VOC	0,00-0,29% (Percentage by weight)
Curing cycle ***	71T 10'-15' at 180°-190°C 71L 10'-15' at 160°-170°C
Storage Stability	71T 24 months for gloss and satin. 18 months for matt. In a sealed bag when stored in a dry place, preferably at temperatures below 30°C.

(*) Within this series of products there can be gloss level variations of up to 5 G.U. from that specified. This is normal and does not affect the final product quality.

(**) Tribo application available for some colours. Please consult our Technical Services.

(***) Please consult the curing cycle of a specific product.

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4 TESTS

Tests conditions: All tests are carried out under laboratory conditions, in degreased 0.8 mm steel panels, at 60 µm, cure accordingly with the respective family curing cycle.

MECHANICAL RESISTANCE		
Properties	Tests	Results
Adhesion (EN ISO 2409)	Adhesive tape 1 mm ²	0
Bending (ISO 1519)	Mandrel (5 mm)	No cracking or detachment
Impact test (EN ISO 6272-2)	1 kg at 25 cm both sides	No cracking or detachment
Cupping test (EN ISO 1520)	Erichsen	Minimum 5 mm
CORROSION RESISTANCE		
Salt Spray (ISO 9227)	Corrosion creep less than 1 mm from the scribe, after 500 hours exposure	
Humidity Chamber (EN ISO 6270-2)	No blistering, rusting, cracking or flaking.	

5 HEALTH, SAFETY AND THE ENVIRONMENT

It is important to read the label on the container and the product MATERIAL SAFETY DATA SHEET (MSDS).

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