

Series 07

A POWDER COATING FOR INTERIOR APPLICATION
BASED ON AN EPOXY-POLYESTER BLEND - SPECIAL LINE OF PRODUCTS

Typical applications

- ceiling paneling
- cladding components
- store fixtures and shelving
- office and school furniture
- machinery parts

Product details

Standard Packaging	in 20 kg cartons
Specific Gravity (ISO 8130-2)	1.2-1.7 g/cm ³ depending on pigmentation
Theoretical Coverage	at 60 µm film thickness: 9.8-13.8 m ² /kg depending on specific gravity (please see also Information Sheet no. 1072 - latest edition)
Storage Stability	Use before: see printed date on product label; under dry conditions at no more than 25 °C, avoid direct and extended heat exposure

(The shelf life of custom made blanket orders or other stock agreements which by their nature are stored over longer periods is determined by the original production date.)

Features

- good mechanical properties
- good storage stability

Finish | Colors

- smooth flow - glossy surface
- smooth flow - semi gloss surface
- smooth flow - matte surface

Custom colors are available with larger order quantities.

Pre-treatments

The following table reflects the common methods of pretreatment with regards to various substrates and applications. In selecting the proper type of pretreatment please observe the suitability of the type of powder coating for a desired application according to the guidelines on page one of this Product Data Sheet.

	Aluminum			Steel		Galvanized Steel		
1) 2) Chromating	○	○	○			○	○	○
2) Pre-Anodizin	○	○	○					
2) Chrome free	○	○	○			○	○	○
Iron Phosphating				○				
Zink Phosphating				○	○	○	○	○
Blasting				○	○			
3) Sweepen						○	○	○
Degrease	○			○		○		
	I	A	F	I	A ⁴⁾	I	A	F

Application: I = interior, A = exterior F = architectural

Footnote

1) acc. DIN EN 12487

2) acc. to GSB and QCT Quality and test regulations

3) only for zinc coated parts > 45µm

4) for a two-coat process TIGER Series 270 / 271 / 272 / 273

Processing

Corona, Tribostatic* available upon inquiry

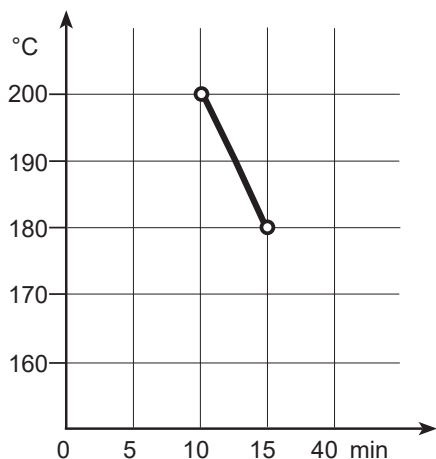
* Suitability must be verified prior to application. Please consult with the relevant application guidelines for metallic effect powder coatings, latest edition.

Cure parameters

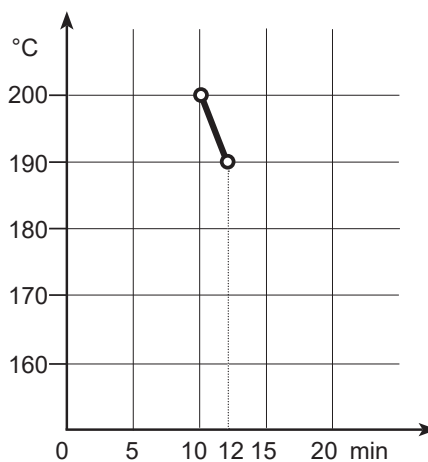
(Substrate temperature versus curing time)

smooth flow - *glossy*

smooth flow - *semi gloss*



smooth flow - *matte*



Please observe cure parameters closely!

Please note

Please mind the effect and color differences between a lab match versus an actual production.

Test results

Checked under laboratory conditions on a chromated aluminium test panel which is 0,7 mm thick. Actual product performance may vary due to product specific properties such as gloss, color, effect and finish as well as application related and environmental influences.

test method	test results	Series 07 smooth flow <i>glossy</i>	Series 07 smooth flow <i>semigloss</i>	Series 07 smooth flow <i>matte</i>
ISO 2360	film thickness recommended	60-80 µm	60-80 µm	60-80 µm
ISO 2813	gloss - 60°	80-95	55-65	15-30
ISO 2409	cross cut test/adhesion 1 mm cutting distance	0	0	0
ISO 1519	mandrel bending test	≤ 10 mm	≤ 10 mm	≤ 15 mm
ISO 1520	cupping test	≥ 3 mm	≥ 3 mm	≥ 2,5 mm
ISO 2815	impression hardness	≥ 90	≥ 90	≥ 90
ASTM D 2794	ball impact test 20 Inch pound	minor cracks down to the substrate	minor cracks down to the substrate	minor cracks down to the substrate
ASTM D 3363	pencil hardness	H.	H.	H.
	drill mill test	ok	ok	ok
ISO 6270-1	determination of resistance to humidity 240 h	max. blistering 1 mm	max. blistering 1 mm	max. blistering 1 mm
ISO 9227	salt spray test 240 h	max. undercutting 1 mm	max. undercutting 1 mm	max. undercutting 1 mm

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Processing instructions

The guidelines for application (datasheet 1213) must be strictly observed.

The Product Data Sheets, Technical Information Sheets and the guidelines for application each in their latest version, available as a download at www.tiger-coatings.com.

Disclaimer

Our verbal and written recommendations for the use of our products are based upon experience and in accordance with present technological standards. These are given in order to support the buyer or user. They are non-committal and do not create any additional commitments to the purchase agreement. They do not release the buyer from verifying the suitability of our products for the intended application. We warrant that our products are free of flaws and defects to the extent as stipulated in our Terms of Delivery and Payment.

As a part of our product information program each of our Product Data Sheets are periodically updated, so that the latest version shall prevail. Therefore, please visit the download area of www.tiger-coatings.com to make sure you have the most current version of this Product Data Sheet. The information in our Product Data Sheets is subject to change without notification.

This Product Data Sheet substitutes any and all previous Product Data Sheets and notes for customers published on this subject matter and is only intended to give a general product overview. Please request specific information for products outside of our standard product list (latest version). The Technical Information Sheets and the Terms of Delivery and Payment each in their latest version, available as a download at www.tiger-coatings.com, form an integral part of this Product Data Sheet.

certified according to
EN ISO 9001 / 14001
IATF 16949



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