

# 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

## Features

- good mechanical properties
- good storage stability

Standard Packaging in 20 kg cartons

Specific Gravity (ISO 8130-2) 1.2-1.7 g/cm<sup>3</sup> depending on pigmentation

Theoretical Coverage at 60 µm film thickness: 9.8-13.8 m<sup>2</sup>/kg depending on specific gravity (please see also Information Sheet no. 1072 - latest edition)

Storage Stability Use before: 12 month (from delivery); 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.)

## Finish | Colors

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

Custom colors are available with larger order quantities.

## Pretreatment (alternatives)

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.

	ALU-MINUM			GALVANIZED STEEL				STEEL			
Degreasing	○	○	○	○	○	○	○	○	○	○	○
<sup>1)</sup> Chromating	○	○	○	○	○	○	○	○	○	○	○
<sup>2)</sup> Anodizing	○	○	○								
<sup>2)</sup> Chrome free	○	○	○	○	○						
Iron Phosphating								○	○		
Zinc Phosphating				○	○	○	○	○	○	○	○
Blasting								○	○	○	○
<sup>3)</sup> Sweeping				○	○	○	○				
	Ⓡ	Ⓢ	Ⓜ	Ⓡ	Ⓢ	Ⓜ	Ⓢ	Ⓡ	Ⓢ	Ⓜ	Ⓢ <sup>4)</sup>

Application    Ⓡ interior                      Ⓜ architectural  
                          Ⓢ exterior                      Ⓢ steel

<sup>1)</sup> acc.to DIN 50939

<sup>2)</sup> acc. to GSB quality and test regulations. The suitability of this type of pretreatment needs to be established through a boiling water test and subsequent cross-hatch adhesion and adhesive tape removal test.

<sup>3)</sup> only for zinc coated parts > 45 µm

<sup>4)</sup> for a two-coat process / TIGER Shield

## Processing

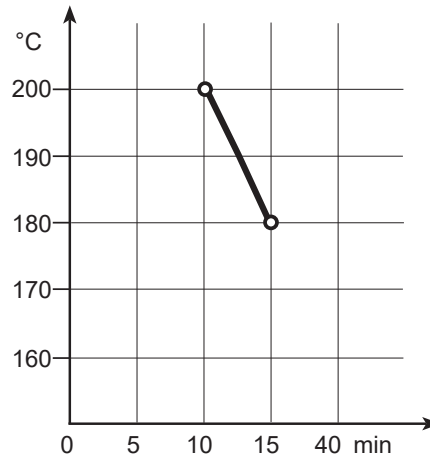
Corona,  
Tribostatic\* available upon inquiry

\* Suitability of metallic effects for tribo processing must be verified prior to application. Please consult with the relevant Information Sheets, latest edition.

## Cure parameters

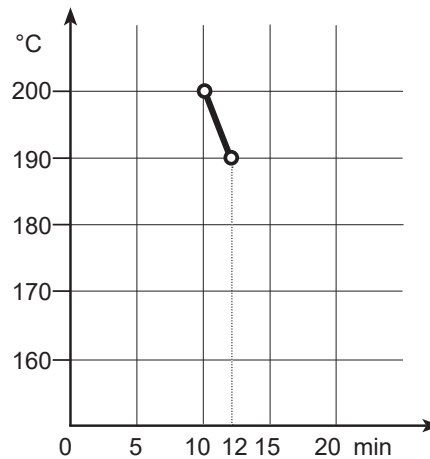
(substrate temperature)

TIGER Drylac® Series 07  
smooth flow - glossy  
smooth flow - semi gloss



Substrate temperature versus curing time

TIGER Drylac® Series 07  
smooth flow - matte



Substrate temperature versus curing time

Series 07

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

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certified according to  
EN ISO 9001 / 14001



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# Series 07