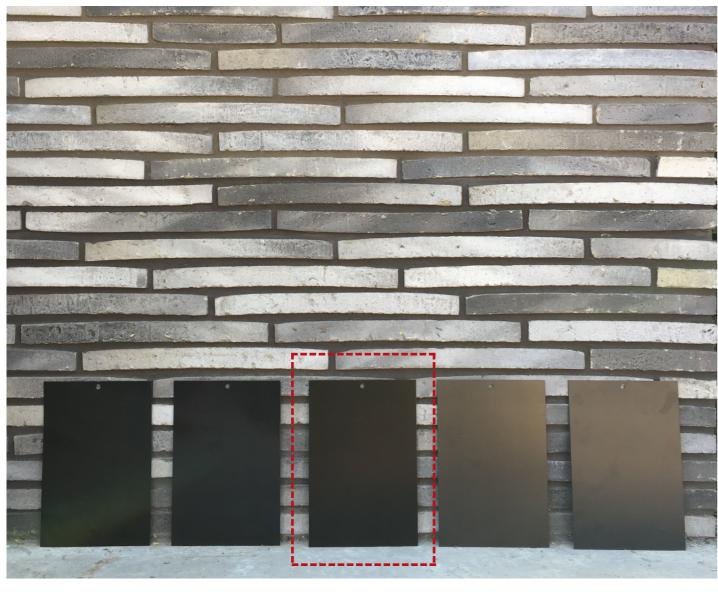
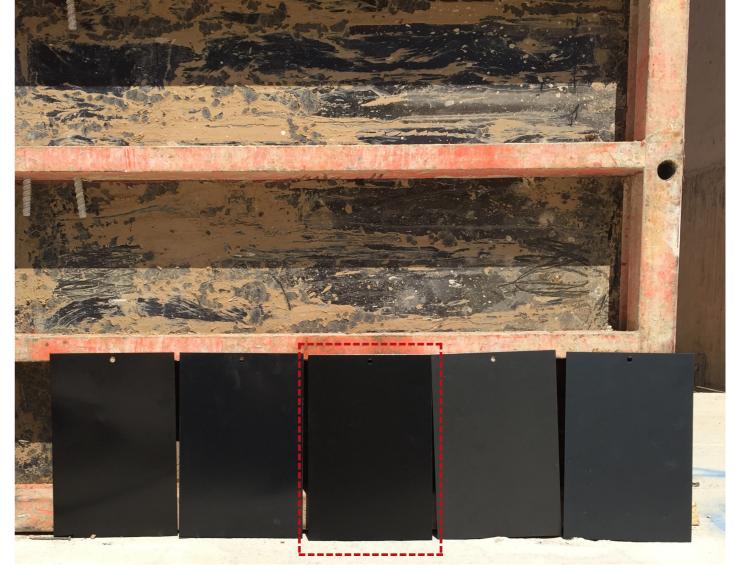
03.02 Lighting Comparison





Shade

RAL 9005 SGL/GL_RAL9011 SGL/GL_RAL9005 MATT/GL_UNICOL ANOLOK 549 MATT/ME_RAL7021 MAT/GL

colours that would match with the consented scheme in tone for the RAL 9005 colour is almost imperceptible. proposal. Different pictures were taken under different light exposures in order to see how much the colours would vary, the more metallic and gloss effect did show a considerable colour change.

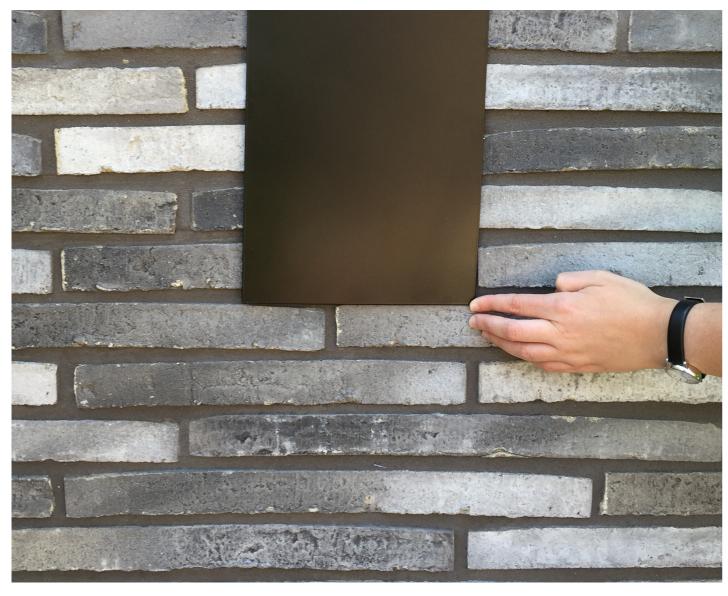
After all samples were reviewed we selected the most suitable The image above shows the comparison exercise. The change

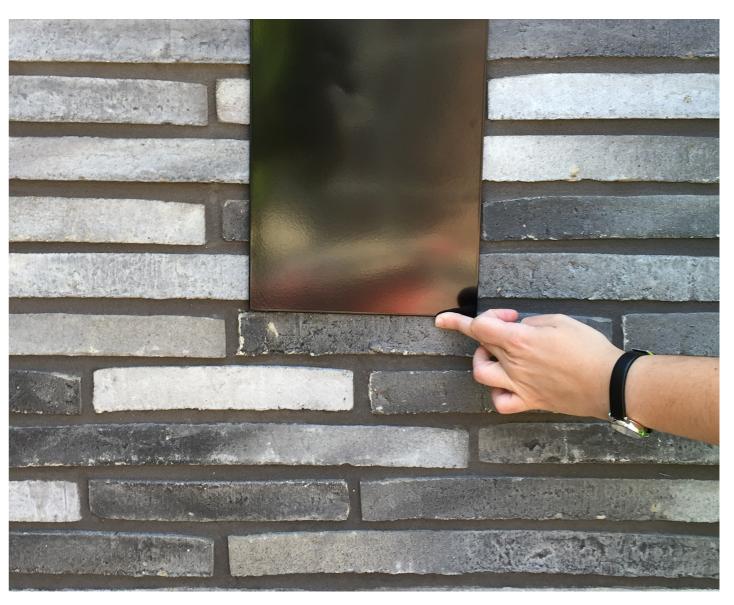
Direct Sunlight

RAL 9005 SGL/GL_RAL9011 SGL/GL_RAL9005 MATT/GL_UNICOL ANOLOK 549 MATT/ME_RAL7021 MAT/GL

Chosen Colour

03.03 Finish Comparison





RAL 9005 MATT GL RAL 9005 SGL GL

Apart from the colour, we also asked for different finishes so we could compare the overall effect against the brick panel. Gloss or Semi Gloss were extremely reflective leading us to discount these finishes.

04.00 Preferred Choice

04.01 Preferred colour	14
04.02 Coating Technical Sheet	15

04.01 Preferred colour



RAL 9005 Matt Flnish (Colour ref.: RAL 9005 MATT/GL, Manufacturer Ref.: 068/80037)

The consistency of the colour along with the matt finish resulted in us selecting RAL 9005 MATT as the preferred colour.

04.02 Coating Technical Sheet



SERIES 68 - super durable

POLYESTER TGIC-FREE SUPER DURABLE POWDER COATING WITH EXCELLENT WEATHER RESISTANCE PROPERTIES FOR HIGH PERFORMANCE ARCHITECTURAL EXTERIOR APPLICATIONS

Typical applications

- metal façades

Product details

Standard packaging in original 44 lb (20 kg) box and 5 lb (2.5 kg)

approximately 1.2-1.8 g/cm³ depending on pigmentation at 2.5 mils (60 µm) film thickness: 51.5 ft²/lb (11.1 m²/kg). Refer also to "Theoretic Powder Coating Coverage Chart" version 00-1001 (imperial) version 00-1000 (metric)

12 months at no more than 77 °F (25 °C)

Features

Finish

finish	gloss
smooth glossy	80-95+*
smooth semi-gloss	60±5*

Available as stock-product in a selection of colors and finishes (see color charts). It can be custom-matched in limited colors (minimum

	Aluminum			Galvanized Steel				Steel		
Degreasing	0			0				0		
1) Chromating	0	0	0	0	0	0	0			
Pre-Anodizing	0	0	0							
2) Chrome free	0	0	0	0	0					
Iron Phosphating								0		
Zinc Phosphating				0	0	0	0	0	0	0
Blasting								0	0	0
3) Sweeping				0	0	0	0			
	1	E	A	1	E	A	S	1	E	S ⁴

Processing

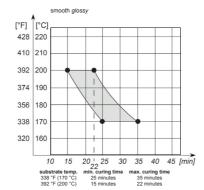
Corona and Tribostatic*

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Cure parameters



Cure parameters must be closely observed since mechanical properties will develop before full cross-linking.

Checked under laboratory conditions on 1/64 inch (0.7 mm) thick yellow chromated aluminum test panel. 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. When used as a two-coat system, the increase in film thickness will result in a decrease of mechanical properties.

test method	test	smooth glossy
ISO 2360	recommended film thickness	2.5-3.5 mils (60-80 µm)
ASTM D3359 method B	cross cut tape test 1mm cutting distance	5B
ASTM D522	mandrel bending test cracking of coating	1/5 inch (5 mm)
ASTM D2794	ball impact test cracking of coating	up to 80 in/lb cracking at the perimeter of the concave area but no cracking pick off
ASTM D3363	pencil hardness	2H minimum
acc. To ISO 16474-3	accelerated weathering, UV-B (313 nm): 600 hours	residual gloss > 50%
acc. To ISO 16474-2	accelerated weathering, Xenon-Arc: 1000 hours	residual gloss > 90%
ASTM D523	natural weathering: in Florida 36 months	residual gloss > 50%
ASTM D2247	determination of resistance to humidity 1,000 hours	maximum undercutting 1/32 inch (1 mm)
ASTM B117	salt spray resistance 1,000 hours	maximum undercutting 1/32 inch (1 mm)

ations: refer to the latest edition of TIGER "Cleaning Rec

Drylac®

Special applications

Objects directly exposed to salt/fog conditions in a marine environment or need heavy corrosion protection must be coated with TIGER Shield system. Refer to the latest editions of TIGER Drylac® Product Data Sheets.

Please note

Due to the limited availability of super durable pigments, bright yellow and orange colors can be prone to limited hiding properties and over bake stability. The minimum recommended film thickness for those colors is 4.0 mils (102 µm). In general, colors in the red, orange and yellow range may require an increased film thickness to achieve full hiding.

Joint sealants and any other auxiliary products, such as glazing aids, gliding waxes, drilling and cutting lubricants, which come in contact with the coated surface, must be pt-in-eutral and free of substances that may damage the finish. Therefore, a suitability test at the applicator's end, prior to coating, is highly recommended.

Any post-mechanical processing of already coated parts, such as sawing, drilling, milling, cutting and bending will result in damage of the coated surface and will subsequently weaken the corrosion protection.

Chemical resistance

among other things, on its formulation. Chemical resistance requirements must be considered according to processing conditions and final use of the finished product. This is best established during the product specification process. Agreement between all parties involved must be reached about the requirements for such chemical resistance as well as the test method, which may be performed in accordance with PCI test method #8 "Solvent Cure

Disclaimer

TIGER's verbal and written recommendations for the use of its products are based upon experience and in accordance with current technological standards. These are provided 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 TIGER products for the intended application. TIGER warrants that its products are free of flaws and defects to the extent stipulated in the Terms of Delivery and Payment.

As part of TIGER product information program, each Product Data As part of TIGER product information program, each Product Data Sheet is updated periodically. The latest version shall prevail. It is recommended to always check for the latest editions on TIGER's website download area www.tiger-coatings.com to make sure you have the most current version of this Product Data Sheet. The information on TIGER's Product Data Sheets are subject to change without notification.

This Product Data Sheet supersedes and replaces all previous Product Data Sheet versions and notes to customers published in relation to this product and is only intended to provide a general overview on the product.

Latest versions of Technical Information Sheets and Terms of Delivery and Payment are downloadable from www.tiger-coatings.com and form an integral part of this Product Data Sheet.

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The required chemical resistance of a powder coating depends performed in accordance with PCI test method #8 Solvent Cure Test". Furthermore, the test duration and concentration of the test media need to be agreed upon.

> 9 0 **(1)**

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Manufacturer Ref.: 068/80037