Certificates

Certification of Management System:
ISO 9001 | ISO 14001 | IATF 16949 | DBS 918 340

Download Certificates

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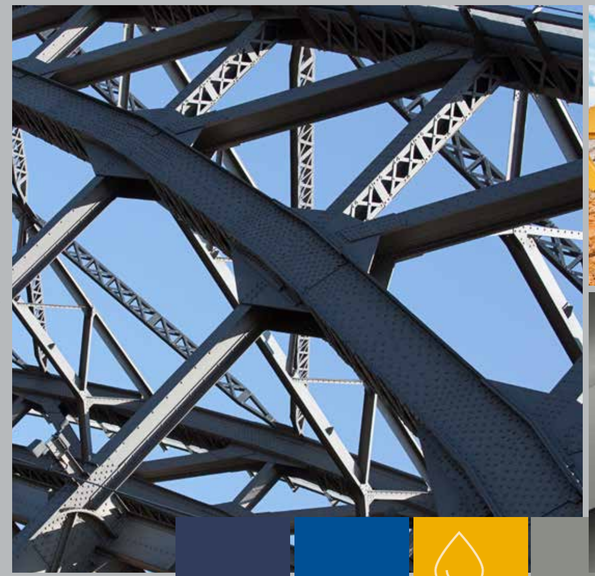
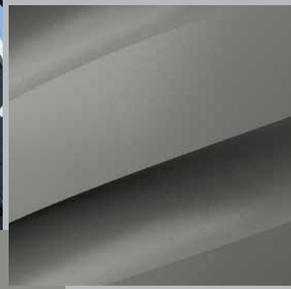
998103030087 / August 2024

TIGER Drylac® Powder Coatings





Powder Coating Corrosion Protection Primer

Long-lasting corrosion protection

Dual layer system

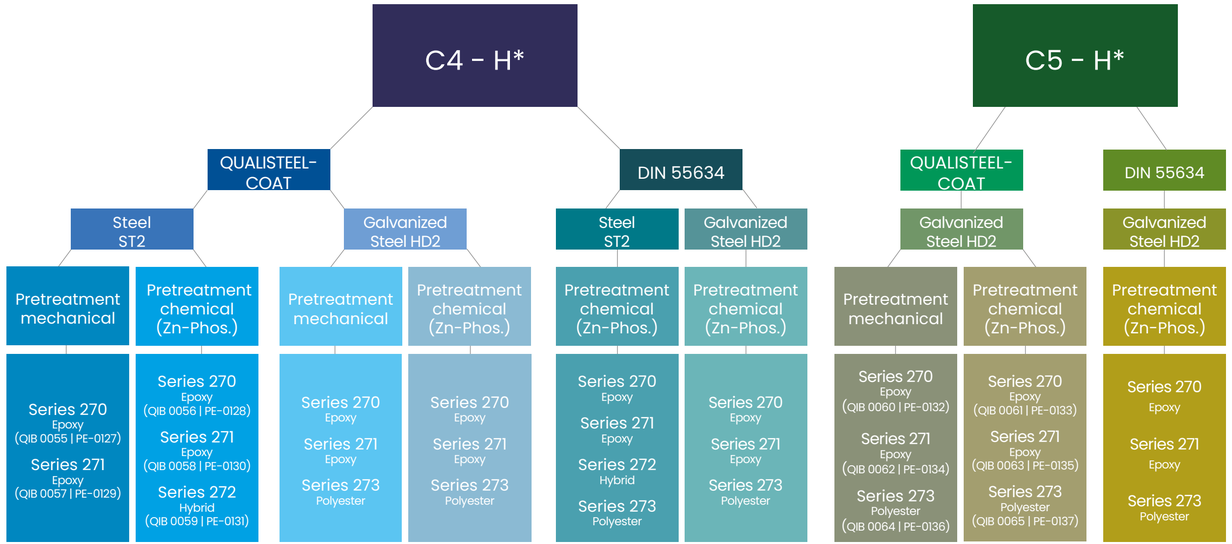
TIGER-SHIELD

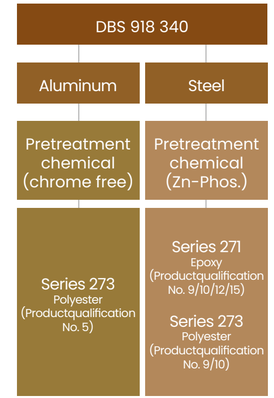
Effective Corrosion Protection with Powder Coating

High humidity, temperatures above 0 °C, and reactive air contaminants, such as sea salt, are the big drivers of metal corrosion. In addition, aggressive chemicals can trigger, favor and accelerate this process.

If no countermeasures are taken, a steel surface can degrade up to 200 µm of layer thickness in just one year.

Scan me!





TIGER Drylac® Primer	TIGER Drylac® Product-ID	Color	Chemistry	Features	Substrate	Surface	Cure parameters
Series 270	270/70158	RAL 7032	Epoxy	outgassing friendly, very good edge coverage	Steel + galvanized Steel Aluminum	smooth flat matte	160 °C / 30 min 180 °C / 15 min 200 °C / 8 min
	270/70400	approx. RAL 7042					
	270/70338	approx. RAL 7042		highly outgassing forgiving, very good edge coverage			
Series 271	271/70100	approx. RAL 7042	Epoxy	low temperature, very good edge coverage	Steel + galvanized Steel	smooth glossy	140 °C / 30 min 160 °C / 15 min 200 °C / 5 min
	271/70003	RAL 7032					
Series 272	272/70855	approx. RAL 7042	Hybrid	outgassing friendly, excellent flow, good edge coverage	Steel + galvanized Steel Aluminum	smooth glossy	160 °C / 30 min 180 °C / 15 min 200 °C / 8 min
Series 273	273/70001	approx. RAL 7032	Polyester	UV stable, very good edge coverage	Steel + galvanized Steel Aluminum	smooth semi gloss	160 °C / 30 min 180 °C / 15 min 200 °C / 8 min

Corrosivity category according to DIN EN ISO 12944-2	Neutral salt spray test / h**	Examples for ambient conditions Exterior	Examples for ambient conditions Interior
C1 - very low	–	n/a	Heated buildings with clean atmosphere.
C2 - low	240 h	Outdoor areas without heavy pollution.	Unheated buildings.
C3 - medium	480 h	Outdoor areas with medium SO2 load and coastal regions with low salinity.	Production building with high humidity and some contamination.
C4 - high	720 h	Industrial areas and coastal regions with medium salt content.	Chemical plants, swimming pools and ports.
C5 - very high	1.440 h	Industrial areas with aggressive atmosphere and high humidity. Coastal regions with high salinity.	Buildings with continuous condensation and polluted atmosphere.

Abbreviation	
ST2	Steel; 2 powder coating layers
HD2	Hot-dip galvanized steel; 2 powder coating layers
DBS 918 340	Deutsche Bahn Standard

* Certificates for C5 - H are valid for C4 - H as well.

** Standard durability range according to DIN EN ISO 12944-1: high (H) – 15 to 25 years (for all corrosivity categories)

Source bottom table: Qualisteelcoat Technical Specification Version 4.1 -January 2019 page 6 | http://qualisteelcoat.it/wp-content/uploads/2018/05/QUALISTEELCOAT-Version-4.1.pdf