

# Powder Protection Shield: strong protection in one layer

- lean mono-layer process
- outstanding corrosion protection at the scribe and edge
- very high weather and chemical resistance
- label-free

## STRONG PROTECTION

The new INDUSTRIQ Powder Protection Shield significantly increases the service life of the workpieces with just one layer. The powder coating in superdurable quality defies all weather extremes, whether blazing sun, continuous rain or frost. Rust, corrosion and aggressive operating fluids also don't stand a chance: neither at the edge nor at minor or major damages on the paint surface. Our principle: efficient but strong.

## LEAN AND SUSTAINABLE

The new INDUSTRIQ Powder Protection Shield enables a lean and efficient production process compared to dual-layer powder coating structures. With only one layer, time and costs are saved, almost without compromising on corrosion protection. Besides, the new Powder Protection Shield is label-free and scores as a powder coating with zero VOC.



### **Label-free**

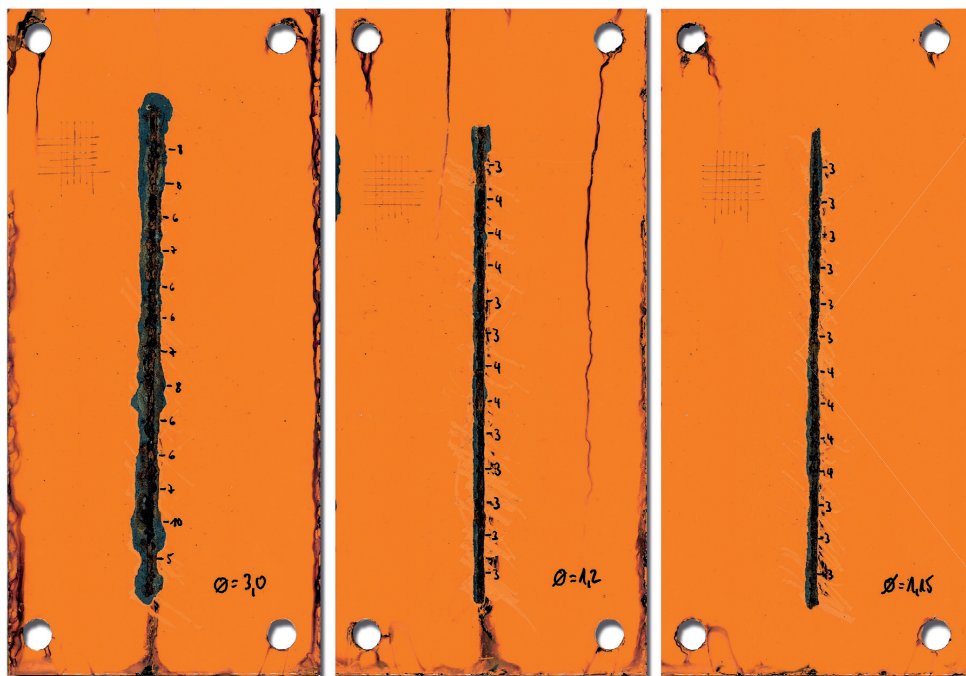
Corrosion protection is a decisive factor for the durability of machines and components and one of the most significant challenges for the coating industry. Creating lean and efficient processes at the same time is an additional challenge.

In recent years, Glycidylester-cured superdurable powder coating systems have met these requirements. As a result of the labelling, new developments were necessary. The new INDUSTRIQ Powder Protection Shield is a label-free answer from Wörrwag, which even exceeds the property spectrum of previous Glycidylester-cured superdurable powder coatings.

Property / Test	Test Standard	Result
Recommended curing conditions	-	10 min / 180°C
Gloss level and surface variants	-	glossy: W882 silk gloss: W882G*
Erichsen cupping	DIN EN ISO 1520	on 0.8mm degreased steel > 1 mm
Weathering resistance (Xenon test)	DIN EN ISO 16494-2 DIN EN ISO 2813	after 1500h residual gloss (60°) >80%**
Corrosion resistance (salt spray test NSS)	DIN EN ISO 9227 DIN EN ISO 4628-8 DBL 7391	after 1440h on zinc-phosphated steel - corrosion creep*** ≤2 mm - edge rust KR 1

\*available from 10/2021, \*\*color-dependent, here tested on RAL 7021 as an example, \*\*\*test performed with Sikkens Scribe 1 mm

## EXCELLENT CORROSION PROTECTION

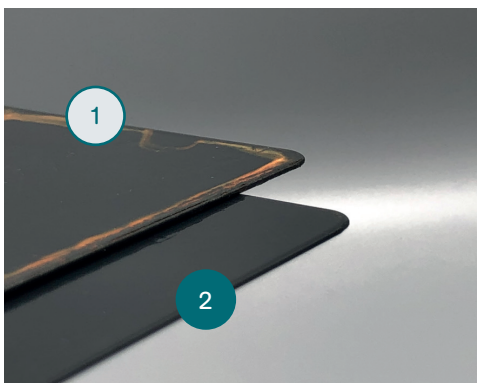


conventional  
superdurable  
powder coating

Glycidylester-cured  
superdurable  
powder coating

**NEW Industriq  
Powder Topcoat  
W882\***

The new Industriq W882 Powder Protection Shield achieves excellent corrosion protection in one layer. Rust and corrosion don't stand a chance with us, neither at the edge nor at the smallest damage on the paint surface.



- 1 conventional  
superdurable  
powder coating
- 2 Industriq Powder  
Topcoat W882\*\*

\* results on steel, pretreated with Chemetall X2020, 720h neutral salt spray test (DIN EN ISO 9227)

\*\*results on steel, degreased, 480h neutral salt spray test (DIN EN ISO 9227)