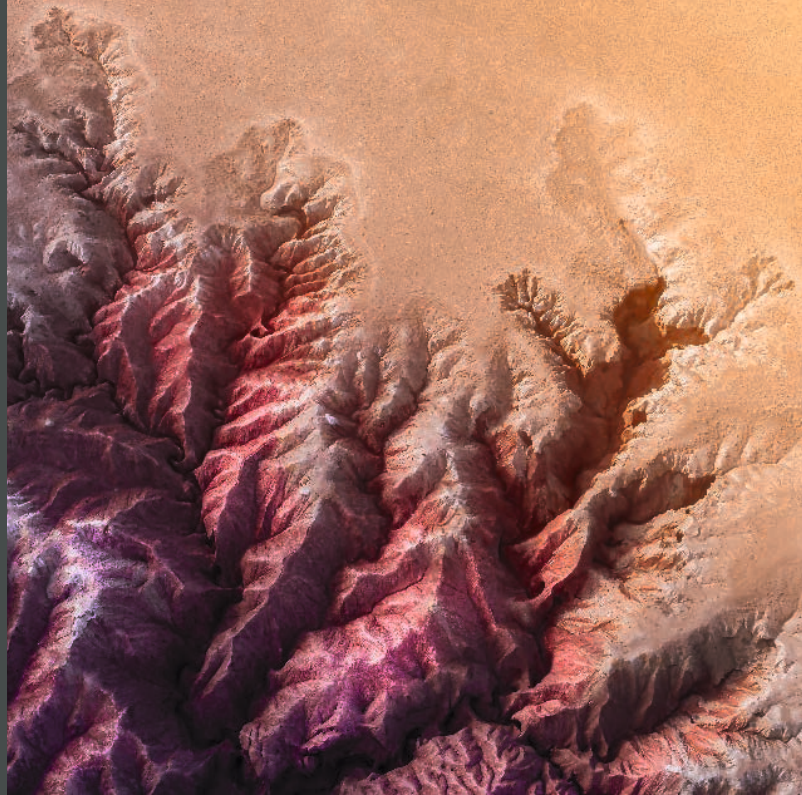


# IGP-KORROPRIMER



IGP recommendations for optimal corrosion protection systems with and without Qualisteelcoat approval.

IGP-KORROPRIMER powder coating systems provide first-class corrosion protection for steel and aluminum structures. These environmentally friendly and durable coatings meet the required DIN standards and Qualicoat guidelines and ensure excellent resistance to chemicals and weather conditions. Benefit from decades of experience in corrosion protection and the customized service offered by IGP Powder Coatings.

As defined in the DIN EN ISO 8044 standard, "corrosion is the reaction of a metallic material with its environment". This environment results from natural conditions such as the atmosphere, precipitation frequency, and proximity to rivers or the sea. Corrosion can also be caused by residues from various metalworking processes. In such cases, even a primer may not effectively prevent rust formation. By applying organic coating systems, corrosion on steel and aluminum structures can be avoided. IGP's two-coat powder coating systems specifically protect substrates such as steel, galvanized steel, and aluminum from the various forms of corrosion. These systems consist of IGP-KORROPRIMER, a corrosion-inhibiting and adhesion-promoting powder primer, and a weather-proof, UV-resistant powder coating.

Reliable, long-lasting corrosion protection.



## Optimal protection

The environmentally friendly and highly durable IGP powder coating systems provide a high level of corrosion protection in compliance with industrial and construction standards such as DIN 55633 (corrosion protection of steel structures by powder coating systems and coating application). Their efficacy is further confirmed via product certifications and compliance with the Qualisteelcoat guidelines. Especially in metal construction this is an important component in meeting the strict requirements of DIN EN 1090 (design of steel and aluminum supporting structures).

## IGP-KORROPRIMER for outgassing substrates

The V versions of the IGP primers are specifically designed for galvanized steel and other outgassing substrates, and are suitable for most common pretreatments. They allow outgassing of the porous zinc surface before cross-linking occurs, resulting in smoother surfaces with fewer defects. The lower the temperature during curing, the less outgassing will occur. This is why IGP-KORROPRIMER 1808 (minimum curing conditions: 140°C) is also a beneficial option for outgassing substrates.

# The right protection for every substrate.

## Corrosion protection systems and achievable corrosion classes

Corrosion classes C3H	Corrosion classes C4H		Corrosion classes C5H	
Steel	Steel	Hot-dip galvanized steel	Hot-dip galvanized steel	Spray galvanized steel
IGP-KORROPRIMER 1808, 6007	IGP-KORROPRIMER 1001, 6007	No primer	IGP-KORROPRIMER 1001, 6007	IGP-KORROPRIMER 1001

All IGP-tested top coats of the same class

## Corrosion systems with Qualisteelcoat approvals

Top coats	Pretreatment	UV class	Qualisteelcoat approval number	KORROPRIMER (primer)	Coating system*	Corrosion classes
IGP-DURA <sup>®</sup> one 56	mechanical	UV1	PE-0206	1808	ST2	C3H
	mechanical	UV1	PE-0016	6007	ST2	C3H
	mechanical	UV1	PE-0015	1001	ST2	C4H
	mechanical	UV1	PE-0017	1001	HD2	C5H
	mechanical	UV1	PE-0018	6007	HD2	C5H
	mechanical	UV1	PE-0074	1001	MS	C5H
IGP-DURA <sup>®</sup> one 561M	chemical	UV1	PE-0159	—	HD1	C4H
IGP-DURA <sup>®</sup> one 5603	chemical	UV1	PE-0160	—	HD1	C4H
IGP-DURA <sup>®</sup> one 5607	chemical	UV1	PE-0183	—	HD1	C4H
IGP-HWF <sup>®</sup> classic 59	mechanical	UV2	PE-0207	6007	ST2	C3H
	mechanical	UV2	PE-0204	6007	ST2	C4H
	chemical	UV2	PE-0205	6007	ST2	C4H
	mechanical	UV2	PE-0200	1001	HD2	C5H
	chemical	UV2	PE-0202	6007	HD2	C5H
IGP-DURA <sup>®</sup> vent 5103	chemical	UV1	PE-0090	—	HD1	C4H
IGP-DURA <sup>®</sup> vent 5107	chemical	UV1	PE-0092	—	HD1	C4H
IGP-DURA <sup>®</sup> vent 511T	chemical	UV1	PE-0096	—	HD1	C4H

### Recommended coating thickness

1-coat systems: 80 µm  
2-coat systems: total 160 µm

### \*Coating system

ST2 Steel, 2-coat system  
HD1 Hot-dip galvanized steel, 1-coat system  
HD2 Hot-dip galvanized steel, 2-coat system  
MS Spray galvanized steel

### Corrosion protection systems according to IGP recommendations

Top coats	Pretreatment	KORROPRIMER (primer)	Corrosion classes*	Application
IGP-DURA <sup>®</sup> one 56 / 66	chemical, mechanical	1808, 6007, 1001	C3H, C4H, C5H	Exterior
IGP-DURA <sup>®</sup> pol 64 / 68	chemical, mechanical	1808, 6007, 1001	C3H, C4H, C5H	Exterior
IGP-HWF <sup>®</sup> classic 59	chemical, mechanical	1808, 6007, 1001	C3H, C4H, C5H	Exterior
IGP-HWF <sup>®</sup> industry 79	chemical, mechanical	1808, 6007, 1001	C3H, C4H, C5H	Exterior
IGP-DURA <sup>®</sup> xal 42	chemical, mechanical	1808, 6007, 1001	C3H, C4H, C5H	Exterior
IGP-DURA <sup>®</sup> superior 57	chemical, mechanical	1808, 6007, 1001	C3H, C4H, C5H	Exterior
IGP-DURA <sup>®</sup> sky 95	chemical, mechanical	1808, 6007, 1001	C3H, C4H, C5H	Exterior
IGP-DURA <sup>®</sup> vent 51	chemical, mechanical	1808, 6007, 1001	C3H, C4H, C5H	Exterior
IGP-DURA <sup>®</sup> than 80 / 81 / 89	chemical, mechanical	1808, 6007, 1001	C3H, C4H, C5H	Exterior
IGP-DURA <sup>®</sup> cryl 40	chemical, mechanical	1808, 6007, 1001	C3H, C4H, C5H	Exterior
IGP-ANTIGRAFFITI 49	chemical, mechanical	1808, 6007, 1001	C3H, C4H, C5H	Exterior
IGP-DURA <sup>®</sup> guard 32	chemical, mechanical	1808, 6007, 1001	C3H, C4H, C5H	Interior
IGP-DURA <sup>®</sup> mix 33 / 39	chemical, mechanical	1808, 6007, 1001	C3H, C4H, C5H	Interior
IGP-DURA <sup>®</sup> pox 02	chemical, mechanical	1808, 6007, 1001	C3H, C4H, C5H	Interior

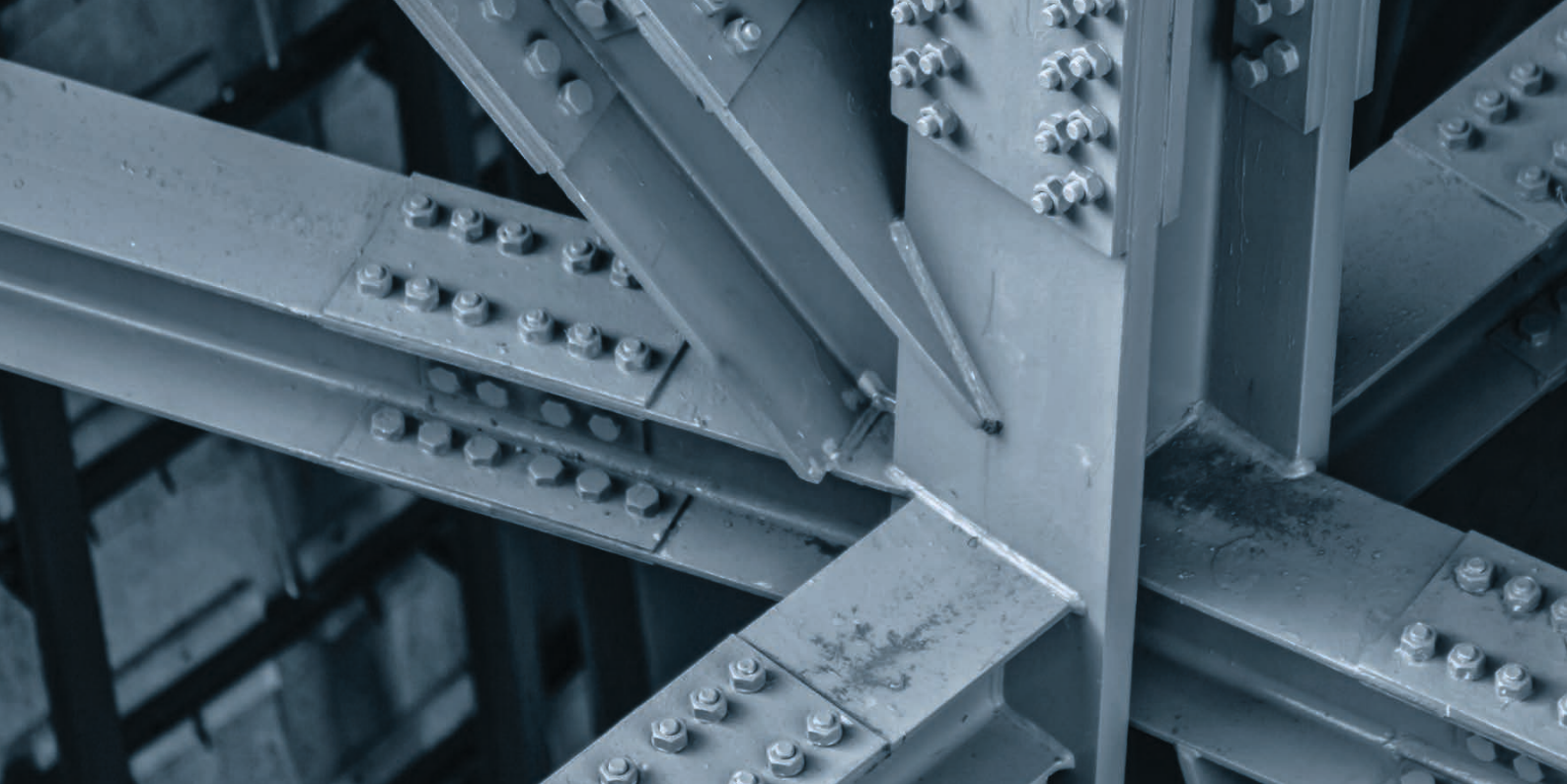
\*Corrosion classes: Based on the IGP recommendations, the right combination of primer and top coat can achieve corrosion classes from C3H, C4H to C5H. Our IGP consultants will be happy to support you with corrosion protection systems.

#### Table: "Corrosion protection systems with Qualisteelcoat approvals"

This table gives you a clear overview of the IGP corrosion protection solutions. Our coating systems undergo regular Qualisteelcoat testing and receive an official approval number confirming their quality and durability. Through these ongoing inspections, IGP ensures that our coating systems meet the highest demands and provide reliable corrosion protection. This guarantees long-lasting, highly resistant solutions for a wide range of application areas.

#### Table: "IGP recommendations for corrosion protection systems"

This table gives you a clear overview of all IGP corrosion protection solutions. IGP draws on many years of experience to develop high-performance coating systems. We test them in our own labs and align them with the DIN 55633 and DIN EN ISO 12944 standards. These tests include the standardized salt spray test to ensure the resistance of the coatings. With our tested systems, coaters can achieve corrosion classes from C3H, C4H, and up to C5H. Our IGP consultants will be happy to help you find the optimal coating solution for your needs.



The information and illustrations in this brochure are valid at the time of printing. IGP reserves the right to make any necessary changes at any time and without prior notice. IGP innovations are protected by patents.

**IGP Pulvertechnik AG**  
Ringstrasse 30  
CH-9500 Wil  
Phone +41 71 929 8111  
info@igp-powder.com  
igp-powder.com

A Member of the DOLD GROUP

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[igp-powder.com/corrosionprotection](https://www.igp-powder.com/corrosionprotection)

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