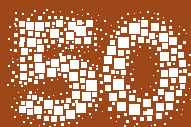


IGP-DURA[®]vent 51

Façade quality powder coatings for galvanised and outgassing substrates



YEARS OF
INNOVATION



POWDER
COATINGS

THE IDEAL SOLUTION FOR GALVANISED AND OUTGASSING METAL SUBSTRATES

IGP-DURA[®]vent Series 51 has been specially developed for use on outgassing metal substrates such as galvanised or cast steel, helping you to achieve a coating with fewer blisters and pinholes without having to laboriously temper the workpieces.

Why choose IGP-DURA[®]vent 51?

Hot-dip/spray-galvanised steels and cast/sintered metals all have a porous surface and so tend to release gases during the coating process.

In the case of conventional powder coatings, this can cause blisters to form in the paint film. Not only are these visually unacceptable but they also reduce corrosion protection. IGP-DURA[®]vent 51 is a powder coating system that has been specially developed for galvanised steels and other porous metal surfaces. The advantage of this system is that it reduces the gas pressure generated when the workpieces are heated and prevents gas and air bubbles from forming.

And what are duplex systems?

Methods known as “duplex systems” combine galvanisation with powder coating. As well as adding colour, another advantage of duplex systems is that they protect the galvanisation against weather-related wear and chemical attacks.

If galvanised steel components are frequently exposed to humid, salty air, the rate of zinc corrosion can exceed 8 µm a year. For more stringent corrosion protection requirements, the zinc coating should therefore be protected with a powder coating (duplex method).

This increases the duration of corrosion protection by between 1.2 and 2.5-fold. Thanks to the introduction of DIN 55633, there is now also a standard to cover duplex systems that combine hot-dip galvanisation with powder coating for steelwork.



Galvanised profiles – coated with IGP-DURA[®]vent 51.

WEATHER-RESISTANT COATING FOR FAÇADES WITH MAXIMUM CORROSION PROTECTION

IGP-DURA[®]vent 51 products not only offer excellent adhesive strength and weather-resistant properties for façades but also provide demonstrably high levels of corrosion resistance up to C5I-H according to DIN EN 12944 and DIN 55633.

This is backed up by test reports from the Qualisteelcoat certification body, which place single-coat IGP-DURA[®]vent 51 systems in the C4 corrosion category (DIN EN ISO 12944), meaning that the protection will last for 15 years on galvanised steel.

When the coating is combined with the IGP KORROPRIMER 10 corrosion protection primer, the protective effect on bright or galvanised steel increases significantly. In this case, the highest corrosion category of C5I-H can be achieved with appropriate pre-treatment and coating thicknesses according to DIN 55633, Annexe A.

The Qualisteelcoat approvals for all IGP-DURA[®]vent 51 product groups provide metalworkers and coating companies with the evidence they need to prove that components are permanently protected according to DIN EN 1090-2 in the case of supporting and galvanised steel components.

The benefits for you

- The long "open time" of the paint film makes it possible to achieve a coating with fewer blisters without having to laboriously temper the porous metal substrates, depending on the zinc grade and alloy used.
- The rugged paint film is highly resistant to weathering, making it suitable for use on high-class architecture and infrastructure projects.
- The smooth-finish product groups offer an attractive flow (5107, 5103), while the fine structure of the 511T product group produces a homogeneous, matt structural characteristic.
- The excellent corrosion resistance helps contractors to prove that components are permanently protected according to DIN EN 1090-2 in the case of supporting galvanised steel components
- The excellent over-curing stability means that the coating can be used on workpieces with different component thicknesses without having to worry about variations in gloss or colour.

Product range and approvals

Surface	IGP-DURA [®] vent product group	Test substrate	Layer composition	Pre-treatment	Certification	Approval number	Category; protection class
Fine structure, matt	511T	Hot-dip galvanised steel	Single coat	Chemical	Qualisteelcoat	PE-0096	Façade powder, HDG1, C4-H
	511T	Hot-dip galvanised steel	Single coat	Chemical	Qualicoat	P-1353	Qualicoat Class 1
Smooth finish, silk gloss	5107	Hot-dip galvanised steel	Single coat	Chemical	Qualisteelcoat	PE-0092	Façade powder, HDG1, C4-H
	5107 with IGP-KORROPRIMER 10	Hot-dip galvanised steel	Two-coat application	Mechanical	Qualisteelcoat	PE-0091	Façade powder, HDG2, C5I-H
Smooth finish, matt	5103	Hot-dip galvanised steel	Single coat	Chemical	Qualisteelcoat	PE-0090	Façade powder, HDG1, C4-H

Certificate

Product tested and approved for the quality label



GROUP COMPANIES

Austria

IGP Pulvertechnik GesmbH
AT-2514 Traiskirchen
Phone +43 2252 508046
info.at@igp-powder.com

Benelux

IGP Benelux BV
NL-8013 RW Zwolle
Phone +31 38 4600695
info.benelux@igp-powder.com

Bosnia / Slovenia / Croatia

IGP Market Manager
Borut Grajfoner
Mobile +386 41 747464
borut.grajfoner@igp-powder.com

IGP Market Manager

Danilo Zemljic
Mobile +386 30 415934
danilo.zemljic@igp-powder.com

France

IGP Pulvertechnik SAS
FR-74166 St Julien en Genevois Cedex
Phone +33 4 50953510
info.fr@igp-powder.com

Germany

IGP Pulvertechnik Deutschland GmbH
DE-84030 Ergolding
Phone +49 871 966770
info.de@igp-powder.com

Great Britain

IGP UK
GB-Bristol, BS37 5JB
Phone +44 1454 800020
info.uk@igp-powder.com

Hungary

IGP Hungary Kft.
HU-6000 Kecskemét
Phone +36 76 507974
info.hu@igp-powder.com

Italy

IGP Italy S.r.l.
IT-21016 Luino (Varese)
Mobile +39 327 3870168
info.it@igp-powder.com

North America

IGP North America LLC
Louisville, Kentucky 40299, USA
Phone +1 502 2427187
info.us@igp-powder.com

Poland

IGP Pulvertechnik Polska Sp. z o.o.
PL-96-321 Siestrzeń
Phone +48 22 7249449
Phone/Fax +48 22 7583798
info.pl@igp-powder.com

Scandinavia

IGP Scandinavia AB
SE-222 23 Lund
Phone +46 46 120220
info.se@igp-powder.com

DISTRIBUTION PARTNERS

Belarus

Polymer Complect Company Ltd
Minsk region
Phone +375 17 5114669
info@polymercompl.com
www.polymercompl.com

Bosnia and Herzegovina

IGP Solutions d.o.o.
BA-71000 Sarajevo
Phone +387 62 495376
info@igp-solutions.ba
ilijas@igp-solutions.ba

Bulgaria

TM Gamasystem Ltd.
BG-1505 Sofia
Phone +359 2 9433677
tmgama@omega.bg
www.itwfinishingbg.com

Czech Republic/Slovakia

OK-COLOR spol. s r.o.
CZ-193 00 Praha 9
Phone +420 283 881252
praha@okcolor.cz
www.okcolor.cz

Israel

Color's Way Ltd.
IL-5885140 Israel
Phone +972 3 5613885
colorsway@colorsway.com
www.colorsway.com

Romania

S.C. Paint Art S.R.L.
RO-550063 Sibiu
Phone +40 269 214915
office@paintart.ro
www.paintart.ro

Russia

Industrial coating systems «KSK»
RU-140000 Moscow Region
Phone/Fax +7 495 2326442
info@ksk-systems.ru
www.ksk-systems.ru

Serbia

IGP SYSTEM D.O.O.
RS-21205 Sremski Karlovci
Phone +381 616 800492
igpsystemdoo@gmail.com

Turkey

Altinboy Ltd.
TR-34384 Okmeydani-Sisli, Istanbul
Phone +90 212 2228701
omer@altinboy.com.tr
www.altinboy.com.tr

Ukraine

Alufinish Ukraine Ltd.
UA-79012 Lviv Oblast
Phone +380 32 2443251
alufinish.ua@gmail.com
www.alufinish.com.ua

IGP POWDER COATINGS

IGP Pulvertechnik AG
Ringstrasse 30
9500 Wil, Switzerland
Phone +41 71 9298111
Fax +41 71 9298181
www.igp-powder.com
info@igp-powder.com

A member of the DOLD GROUP

Search for international distribution partners!

More information under
www.igp-powder.com