

# SOPHISTICATED INDUSTRIAL DESIGN WILL MAKE YOUR PRODUCTS MORE SUCCESSFUL

The demands placed on the performance characteristics of industrial products are continually increasing. IGP is continuously developing adapted solutions to meet these special requirement profiles. Thus our high-quality powder coatings are making their contribution to the representative finish and the clear product identification of modern industrial products.

## Wide range of colours, surfaces and effect options

Our comprehensive product range has a large palette of colour standards and customer-specific shades. The offer is extended by the different gloss and structure levels. Brilliant metallic and special effects are an IGP speciality. IGP has developed specific process technologies (mica-bonding, premium-bonding, IGP-*Effectives*®) for the secure application of these effect powder coatings.

### An overview of the diversity:

- Shades: in accordance with RAL and NCS standards as well as customer shades
- Standardised gloss levels: deep matt, matt, silk matt, silk gloss, gloss
- Standardised surfaces: smooth finish, fine and coarse structure, hammer finish
- Effects: metallic, pearl mica, iron mica
- Glazes and transparent varnishes

## Value retention is the most significant contribution to sustainability

Packing, transporting, assembling, presenting, cleaning are just some of the stages in a surface life cycle and, despite the utmost of care, each situation leaves behind marks of handling and use. An innovative concept makes IGP powder coatings more suitable for use in particularly challenging applications in the fields of industry and architecture. In doing so, the surface resistance is optimised whilst also retaining all other positive technological coating properties. The technology for robust surfaces sustainably protects the functionality and aesthetics of coated items.



Up to date: Standard, polyester-based powder coating      New: IGP-DURA® face 5807 Typ-S for robust surfaces

Cover picture: Julius Blum GmbH © Blum

swiss quality



Gallus Ferd. Ruesch AG



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# Coating systems for industry

Functional surfaces and  
process-optimised solutions



# TECHNICAL AND ECONOMIC SAFETY THANKS TO OPTIMAL COMBINATION

## Cost reduction due to energy-efficient IGP powder coatings

Low-temperature systems have two significant benefits for your coating process: They save energy costs and optimise your production process due to the lower time expenditure and this applies particularly to parts with thick walls. You will achieve high-quality UV and corrosion protection due to the combination of IGP low-temperature primer with IGP top coat systems.

Low-temperature polyester powder coatings have a curing temperature starting at 150 °C. Please refer to our technical data sheets to find the curing conditions for all systems.

### An overview of benefits:

- Energy-efficient and process-optimised
- High material utilisation degree
- Environmentally-friendly production
- No toxic ingredients

## Technically optimised products for enhanced customer requirements

Are you looking for special technical properties for your product solution? Smooth finish or friction-optimised? Scratch or abrasion-resistant? Electrically conductive or even insulating? This is only a selection of the criteria that you can find in our technically optimised products.

## Tested quality

At IGP we have a long tradition of the consistent pursuit of quality awareness together with the inclusion of ecological aspects. It has contributed to the success of IGP in the past and will also secure this in the future. This mindset is documented by the two ISO certifications, ISO 9001 (since 1994) and the environmental certificate ISO 14001 (since 2004). Numerous additional quality seals and approvals for special products are evidence of the tested quality for your safety:

- Labor Dr. Kupfer: certified IGP anti-graffiti system
- ISEGA – Forschungs- und Untersuchungsgesellschaft: (Research and Testing Institute): food processing safety certification
- IFO – Institut für Oberflächentechnik GmbH (Institute of Surface Technology GmbH): corrosion protection on steel components
- QIB – Qualitätsgemeinschaft Industriebeschichtung (Quality Association for Industrial Coating)
- Qualsteelcoat – Quality Association for Steel Products


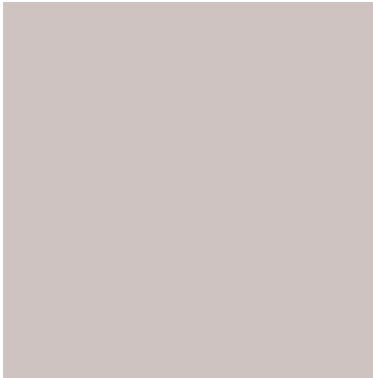
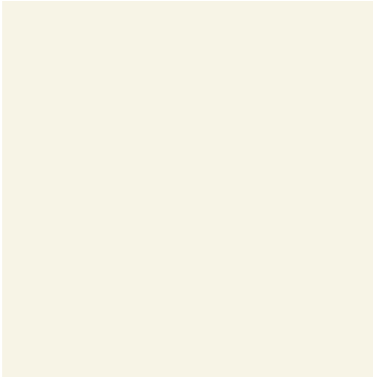
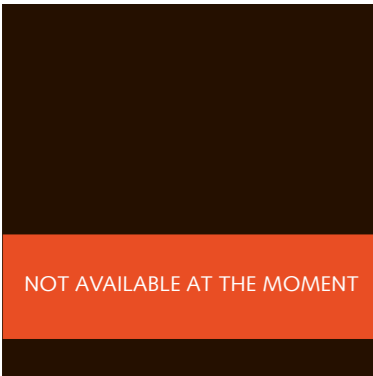
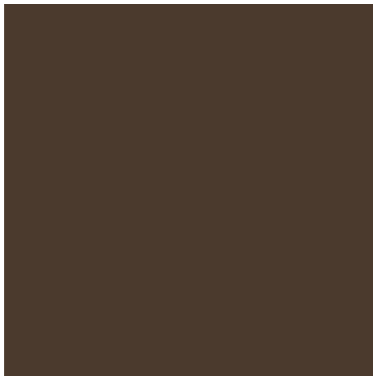

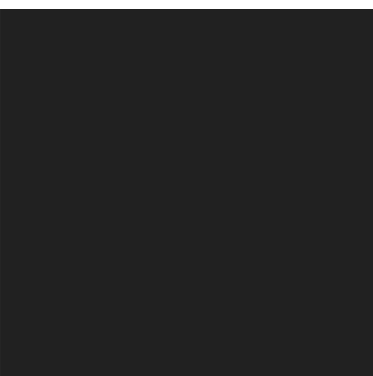
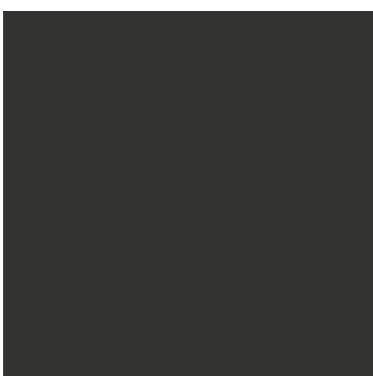

IGP powder coating system						
Series	Surface stability	Chemical resistance	Weathering resistance	Energy efficiency	Corrosion protection	Application
IGP-DURA® <i>pol</i> 68	D	+	++	+++	+	A
IGP-DURA® <i>guard</i> 32		+++			++	I
IGP-DURA® <i>pox</i> 02	S	++			+	I
IGP-DURA® <i>mix</i>	S, D	+			o	I
IGP-DURA® <i>xal</i> 44	S, D	+			o	I
IGP-DURA® <i>cryl</i> 40		+++	+++		+	A
IGP-KORROPRIMER 18				++	+++	Primer

Legend: D = more abrasion-resistant      Characteristics: +++ outstanding    ++ very good    + good    o neutral  
S = more scratch-resistant      Application: A = exterior and interior application    I = interior application

## SURFACE-ROBUST POWDER COATINGS

Innovative concept makes powder coatings more robust

Robust powder coating films for higher serviceability.

IGP-DURA <sup>®</sup> <i>xal</i> 4401E41564S10  Smooth finish, deep matt, pearl mica, scratch-proof I	IGP-DURA <sup>®</sup> <i>mix</i> 3302A76730500  Smooth finish, deep matt, scratch-proof I	IGP-DURA <sup>®</sup> <i>mix</i> 3302A90100D11  Smooth finish, deep matt, abrasion-resistant I
IGP-DURA <sup>®</sup> <i>mix</i> 3307E83107S10  Smooth finish, silk gloss, pearl mica, scratch-proof I	IGP-DURA <sup>®</sup> <i>pol</i> 6802E82672D3F  Smooth finish, deep matt, pearl mica, abrasion-resistant A	IGP-DURA <sup>®</sup> <i>mix</i> 3907E75851D10  Smooth finish, silk gloss, pearl mica, abrasion-resistant I
IGP-DURA <sup>®</sup> <i>xal</i> 4401A94090S10  Smooth finish, deep matt, scratch-proof I	IGP-DURA <sup>®</sup> <i>xal</i> 4401U90057D10  Smooth finish, deep matt, Effectives, abrasion-resistant I	IGP-DURA <sup>®</sup> <i>xal</i> 4401E77254D1M  Smooth finish, deep matt, pearl mica, abrasion-resistant I

## ENERGY-EFFICIENT POWDER COATINGS

Process-optimised production with low-temperature polyester from 150 °C

Low-temperature system with a wide range of surface characteristics in different gloss levels. Technical variations according to customer requirements are possible.

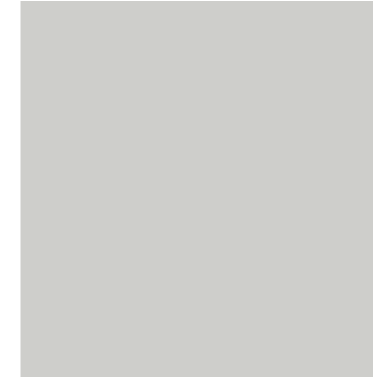
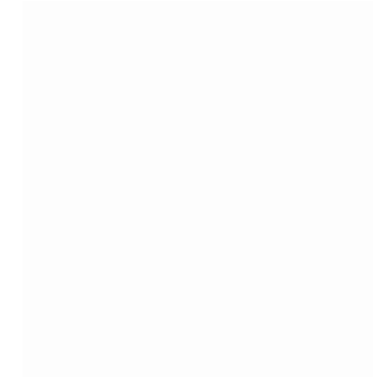
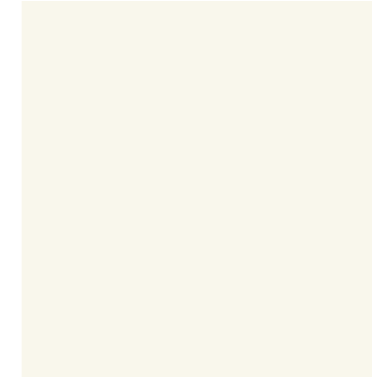


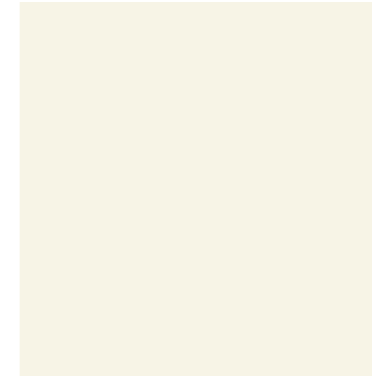



IGP-DURA <sup>®</sup> <i>pol</i> 681TA10231A00  Fine structure, deep matt A	IGP-DURA <sup>®</sup> <i>pol</i> 682SA11666A10  Coarse structure, silk gloss A	IGP-DURA <sup>®</sup> <i>pol</i> 6802A11444A10  Smooth finish, deep matt A
IGP-DURA <sup>®</sup> <i>pol</i> 683SA21317A10  Hammer finish, silk gloss A	IGP-DURA <sup>®</sup> <i>pol</i> 6809A10170A00  Smooth finish, high gloss A	IGP-DURA <sup>®</sup> <i>pol</i> 682SA11495A10  Coarse structure, silk gloss A
*KORROPRIMER 1809A70354A00 **IGP-DURA <sup>®</sup> <i>pol</i> 681TA30020A00  Fine structure, deep matt A	*KORROPRIMER 1809A70354A00 **IGP-DURA <sup>®</sup> <i>pol</i> 6802A20020A10  Smooth finish, deep matt A	IGP-DURA <sup>®</sup> <i>pol</i> 6807A10283A00  Smooth finish, silk gloss A

Presentation 2-layer structure:  
\* anti-corrosive primer  
\*\* topcoat

## POWDER COATINGS WITH A WIDE RANGE OF ADDITIONAL FUNCTIONS

Technically optimised products for high customer demands



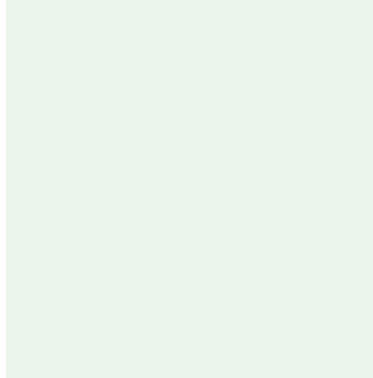


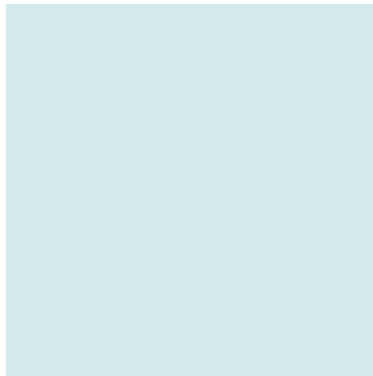
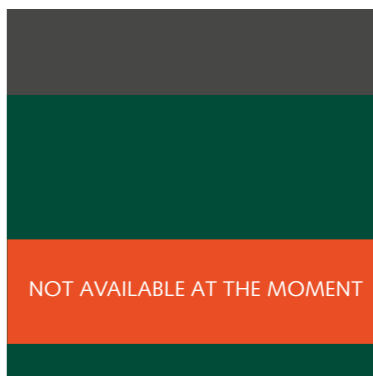


Selection of customer-optimised potential solutions for an optimised performance of your surface.

IGP-DURA <sup>®</sup> <i>xal</i> 4401E77256D1M  Smooth, deep matt, fingerprint-proof, abrasion-optimised I	IGP-DURA <sup>®</sup> <i>mix</i> 3302A90160U00  Smooth finish, matt, heating-value-optimised I	IGP-DURA <sup>®</sup> <i>mix</i> 3302A90100T00  Smooth finish, matt, thin coat I
IGP-DURA <sup>®</sup> <i>pol</i> 6802E77233D10  Smooth finish, matt, abrasion-resistant A	IGP-DURA <sup>®</sup> <i>care</i> 6802A78180G10  Smooth finish, matt, antimicrobial A	IGP-DURA <sup>®</sup> <i>pol</i> 6807A90022C00  Smooth finish, silk gloss, electrically conductive A
IGP-DURA <sup>®</sup> <i>pol</i> 644MA89480A10  Fine structure, Matt, fine haptics A	IGP-DURA <sup>®</sup> <i>pol</i> 681TE73299A10  Fine structure, deep matt, iron mica A	IGP-HWF <i>classic</i> 592SV13683A80  LivingSurfaces, grain structure A

Colour samples without purchase obligation:  
Subject to production-related and/or application-related differences. No contract claims can be made based upon the information contained in this colour chart.

## SURFACE COATING FOR LONG-TERM VALUE RETENTION

Permanent protection against corrosion and chemical impacts

IGP-DURA <sup>®</sup> <i>cryl</i> Anti-Graffiti (exterior) *KORROPRIMER 6007A70354A00 **IGP-DURA <sup>®</sup> <i>cryl</i> 4025A13071A10  Coarse structure, silk gloss A	IGP-DURA <sup>®</sup> <i>pox</i> Resistance to chemicals IGP-DURA <sup>®</sup> <i>pox</i> 022MA50120A00  Coarse structure, matt I	IGP-DURA <sup>®</sup> <i>guard</i> Anti-Graffiti (interior) IGP-DURA <sup>®</sup> <i>guard</i> 321MA57950A00  Fine structure, matt I
*KORROPRIMER 6007A70354A00 **IGP-DURA <sup>®</sup> <i>cryl</i> 401MA60180A00  Fine structure, matt A	IGP-DURA <sup>®</sup> <i>pox</i> 0207A52323A00  Smooth finish, silk gloss I	IGP-DURA <sup>®</sup> <i>guard</i> 3207A51035A00  Smooth finish, silk gloss I
*KORROPRIMER 1001A70434A00 **IGP-DURA <sup>®</sup> <i>cryl</i> 4907A60260A10  Smooth finish, silk gloss A	IGP-DURA <sup>®</sup> <i>pox</i> 0201A52221A00  Smooth finish, deep matt I	IGP-DURA <sup>®</sup> <i>guard</i> 3209A50100A00  Smooth finish, high gloss I

Presentation 2-layer structure:  
\* anti-corrosive primer  
\*\* topcoat

A Interior or exterior application I Interior application