

IGP-DURA[®]face 58

Robust powder coating system
for facade and metal construction



POWDER COATINGS.

IGP-DURA[®]face 58 – EFFICIENT PROCESSING, EXCELLENT PERFORMANCE

Powder coating systems for exterior environments, especially in architectural applications, must exhibit a wide range of properties. Therefore, a permanently aesthetic visual appearance and good dirt-repelling properties as well as economic processing and a considerate use of energy and raw materials are expected.

IGP-DURA[®]face 58 meets these demands whilst strictly complying with the quality, batch consistency and delivery speed requirements.

Design

Wide and individual variety of colours
Diverse gloss and structural characteristics
Uni-colour and innovative effect coatings

Processing

Good charging ability
Good opacity
Reliable and homogeneous coating results

Quality consistency

Certified GSB / Qualicoat product qualities
Good colour and gloss retention
Low colour tolerances in accordance with VdL Directive 10

Ecology

No toxic or highly volatile ingredients
High recovery stability
Environmentally-friendly production

Economy

Low energy usage thanks to low cross-linking temperatures
and short curing times
High application efficiency, low amount of overspray



Product tested and approved
for the quality trade-mark



IGP-DURA[®]face 58 – WITH INTELLIGENT ADDITIONAL BENEFITS

Robust aesthetics

IGP coating systems for facades are tough performers in many ways: In terms of climatic and environmental impacts, the Series 58 weather-proof products are extremely colour and gloss-stable and also repel moisture as well as chemical loads. Furthermore, they are one of the most robust products of their kind. Consequently, the silk gloss product group 5807 sets innovative benchmarks in terms of scratch and abrasion resistance. Increased resistance against abrasive stresses as well as great handling reliability during assembly and transport are valuable properties of these powder coatings.

Optimised cleanability

The unique IGP-DURA[®]clean effect ensures a lower adhesion of foreign particles and good cleanability. This reduces maintenance costs for periodic cleaning. Furthermore, the environment also benefits as excellent cleaning results can be achieved by simply using water and a sponge.

For further details, please request our Technical Information:

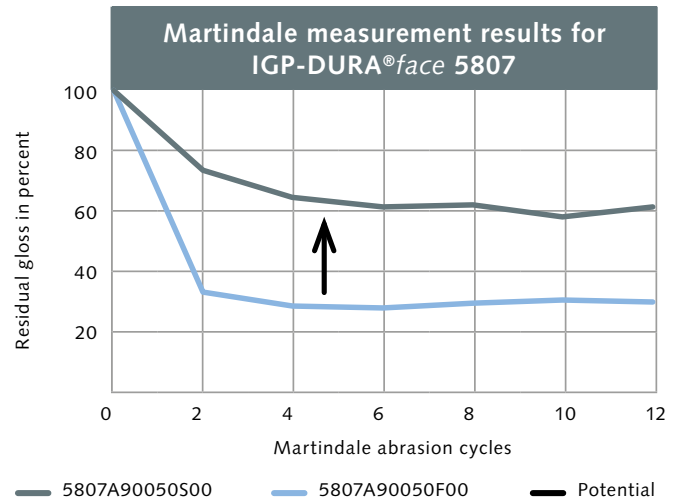
- TI 106: Cleaning recommendation for IGP coating powders, facade qualities
- TI 108: Cleaning and care of powder coatings



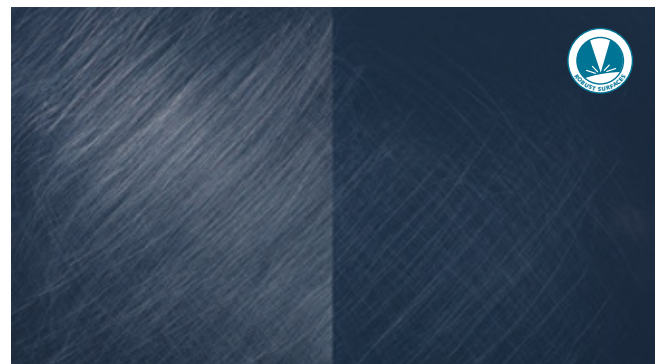
With the IGP-DURA[®]clean effect

Material-efficient and reliable processing

The recognised high opacity and an excellent penetration capacity of the IGP-DURA[®]face 58 powder coating range are the first prerequisites for an economic coating. Furthermore, all of the product groups from the Series 58 exhibit an identical, wide range of curing conditions with advantageous time/temperature combinations: Short curing times reduce the throughput time whilst low cross-linking temperatures offer potential for optimisation for modern energy management.



IGP-DURA[®]face 5807 Surface Robustness



Standard, polyester-based powder coating

IGP-DURA[®]face 5807 Type-S

AN EXCELLENT LEVEL OF PERFORMANCE ENSURES SAFETY AND LONG-TERM PROTECTION

The product range for high quality demands

The IGP-DURA[®]face Series 58 products meet the requirements of international certifications for the coating of architectural components on aluminium and steel in terms of gloss and colour retention, film flexibility and further chemical-physical tests. Each product group of the IGP-DURA[®]face Series 58 is subject to regular monitoring tests by accredited testing institutes. Together with certified coating companies, this method ensures an unbroken quality chain.

All products are available in a wide range of colours and different surface aspects:

Surface aspects			
Product group	Surface	Gloss range DIN EN ISO 2813	Design version
5803 A/E	Smooth	Matt, 25–35 R'/60°	Uni-colour (A) or effect powder coating (E)
5803 U			IGP-Effectives [®] technology (U)
5807 A/E	Smooth	Silk gloss, 65–85 R'/60°	Uni-colour (A) or effect powder coating (E)
5807 U			IGP-Effectives [®] technology (U)
5809 A	Smooth	Gloss, 65–85 R'/60°	Uni-colour (A), effect following consultation
5809 A, white line	Smooth	High gloss, > 85 R'/60°	Uni-colour (A), only light uni-colour shades
581MA/E	Fine structure	Matt, 5–25 R'/60°	Uni-colour (A) or effect powder coating (E)
581MU			IGP-Effectives [®] technology (U)

A supporting role for steel and aluminium structures

The requirements for the utilisation of supporting steel and aluminium structures are regulated in DIN EN 1090 and ultimately have an impact on the selection of the coating quality. Consequently, evidence of "durability" for the design is also required for the coating of supporting steel structures (DIN EN 1090-2) depending on the environmental conditions (according to DIN EN ISO 12944-2), the EXC design class and the agreed duration of protection. IGP-DURA[®]face Series 58 products support coating and metal construction companies in terms of providing evidence of corrosion protection via testing certificates with the "Qualisteelcoat" seal of quality for two-coat application on galvanised constructions (HD2, C5I-L) as well as on blasted bare steel (ST2, C4-H).

Quality assurance and corrosion protection						
Product group	Aluminium				Steel	Galvanised steel
	Qualicoat 1-coat	Qualicoat 2-coat	GSB 1-coat	AAMA 2603	Qualisteelcoat 2-coat	Qualisteelcoat 2-coat
5803 A, E/U	P-0540	P-1165 with Qualicoat-approved topcoat	109m/109r	15315-1	PE-0015 with IGP-KORROPRIMER 10 PE-0016 with IGP-KORROPRIMER 60	PE-0017 with IGP-KORROPRIMER 10 PE-0018 with IGP-KORROPRIMER 60
5807 A, E/U	P-0230		173u/173k	15315-2		
5809 A, E	P-0614		–	–		
5809 A white line	P-1200		173p	–		
581M A, E/U	P-0561		109n/173w	–		

The Qualicoat-tested IGP two-coat system (approval QC P-1165), consisting of IGP KORROPRIMER 30 and IGP-DURA[®]face 58 as the topcoat, is recommended if the corrosion protection on aluminium substrates are subject to high demands. Furthermore, the IGP-DURA[®]face 58 products are also tested in accordance with AAMA (American Architectural Manufacturers Association) 2603-15 provisions.

IGP-DURA[®]face 58 – SUSTAINABLE AND ECONOMICAL

Environmentally compatible? An absolute necessity!

IGP is the first powder coating manufacturer to hold the internationally-recognised Environmental Product Declaration in accordance with ISO Type III based on the DIN EN ISO 14025 standard as well as the European DIN EN 15804 standard. EPDs are data verified by independent institutes who provide information concerning the environmental impact of the declared products throughout their life cycle. Consequently, the IGP-DURA[®]face Series 58 products are ideal for supplying quantifiable statements regarding the ecological quality of the utilised product to the evaluation systems for the sustainability of buildings such as BREEAM, LEED and DGNB.

The IGP-DURA[®]face Series 58 coating systems contribute to sustainable and resource-friendly surface refinement on many different levels:

- They contain no solvents.
- All articles are classified and labelled in accordance with Regulation (EC) No. 1907/2006 (REACH).
- IGP products contain no hazardous substances listed in RoHS 2011/65/EU such as lead, mercury, polybrominated biphenyls, cadmium, hexavalent chromium, polybrominated diphenyl ethers.
- The articles from the IGP-DURA[®]face Series 58 range exhibit an energetically favourable cross-linking behaviour.
- Scarce raw and basic materials are largely omitted.



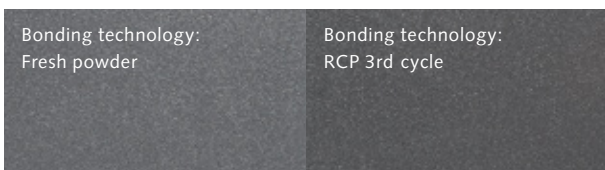
IGP effect powder coatings – shaken or stirred?

Neither! This can be attributed to the fact that IGP effect powders are highly regarded on the coating market as very process-stable, brilliant effect coatings. Special manufacturing processes can be utilised when integrating effect pigments: In addition to the protective IGP Premium-Bond process for particularly fine effect particles, IGP *Effectives*[®] represents a groundbreaking technology that is particularly economical thanks to the utmost circulation stability and a recycling rate of almost 100%.

The ALWAYS-THE-SAME effect

The IGP *Effectives*[®] technology ensures a uniform charging and separation behaviour of the powder effect particle conglomerates. Therefore, the effective degree of utilisation (coating surface/kilo) is demonstrably higher – even when compared to premium bonded powder coatings.

The best possible application safety and effect stability combined with unmatched economy.
From the first to the last powder particle!



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