

SCRATCH RESISTANT POWDER COATINGS

5903S
5907S

Robust aesthetics for highly weather resistant applications

The desire for more scratch resistant decorative surfaces is probably as recent as the powder coatings sector itself, and one of the most frequent requirements cited by our customers.

At IGP Pulvertechnik, we are resolutely pursuing the goal of becoming your partner of preference for all applications in which robust, abrasion resistant surfaces with increased scratch resistance are required.

The smooth finish IGP HWF*classic* are highly weather resistant facade coatings which have from the outset, and since the 1990s to the present, proved to be reliable products with excellent weather stability and remarkable material efficiency.

We have now added an additional strong and distinctive feature: resistance to nicking and abrasive stresses. For our customers, and their customers, this ultimately means increased protection for coated surfaces during transportation, processing and installation against tarnishing abrasion and scratching. Users will also enjoy the effects of brilliant surfaces for longer in daily use.



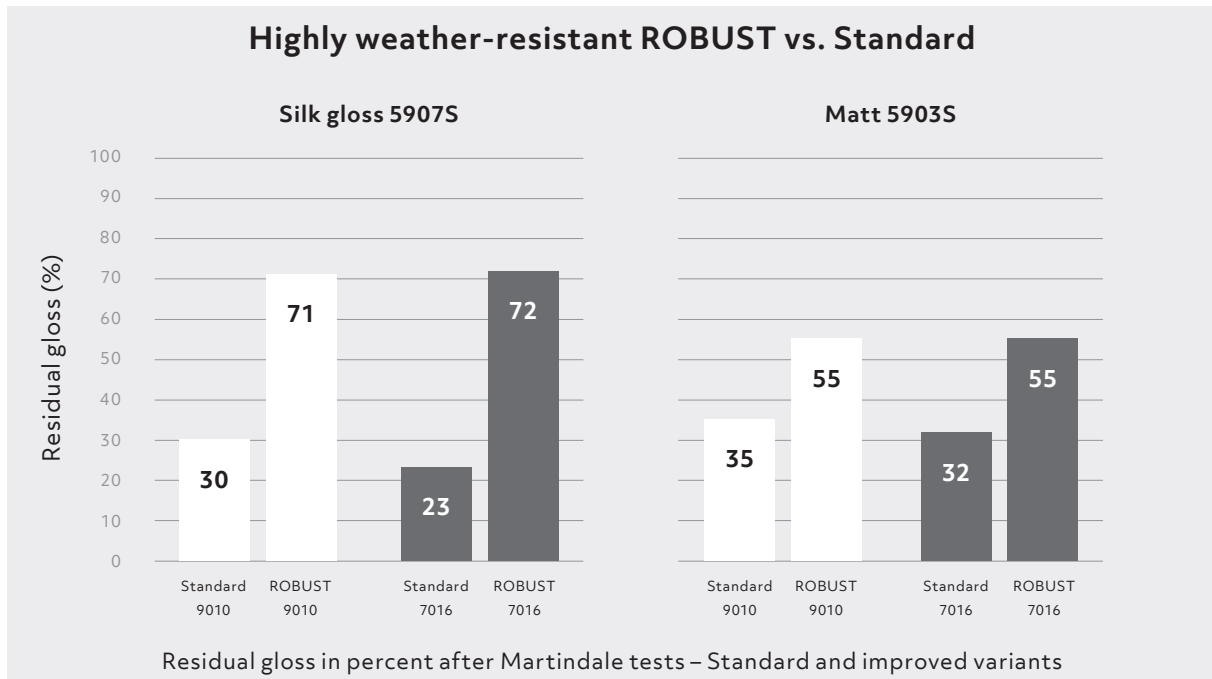
The "new" version is available in an expanded stock range with many innovative plain and effect colours.



Visible and measurable robustness

It is possible to evaluate scratch resistance objectively with measurable data using the “Martindale” testing method applied in accordance with DIN CEN/TS 16611, in which an abrasive body with a defined weight presses against the test surface, rubbing over the surface with cyclical movements. The assessment also includes visual inspection but primarily involves metrological determination of the residual gloss, based on the difference between the measurable gloss before and after scratch exposure.

However, our customers also discover the difference with conventional polyester-based powder coatings with simple and therefore commonly-used testing methods, whether that be the tried-and-tested “fingernail” test or crumpled paper test.



Powder coatings from IGP HWF*classic* 5903 and 5907 product groups have been certified by the GSB and Qualicoat associations as powder coatings for use in highly weather resistant architectural applications on aluminium substrates.

IGP Product range – Powder coatings with increased scratch resistance					
Architecture					
5807 - S	Weather-proof Facade powder coating Standard polyester	Silk gloss Smooth finish Scratch resistant	75 ± 10 R'/60 °C	15'-30' 170 °C 10'-20' 180 °C 8'-15' 190 °C	Qualicoat class 1 GSB Standard AAMA 2603 *
5903 - S NEW	Highly weather resistant Facade powder coating Modified polyester	Matt Smooth finish Scratch resistant	25 ± 8 R'/60 °C	20'-30' 170 °C 15'-25' 180 °C 10'-20' 190 °C	Qualicoat class 2 GSB Master AAMA 2604 *
5907 - S NEW	Highly weather resistant Facade powder coating Modified polyester	Silk gloss Smooth finish Scratch resistant	75 ± 10 R'/60 °C	20'-30' 170 °C 15'-25' 180 °C 10'-20' 190 °C	Qualicoat class 2 GSB Master AAMA 2604 *
Industry					
3902 - S	Hybrid powder coating Indoor use Commercial furniture / fittings	Very matt Smooth finish Scratch resistant	20 ± 5 R'/60 °C	10'-20' 160 °C 9'-18' 170 °C 5'-10' 190 °C	Customer-specific
4401 - S	Special powder coating Indoor use Lighting and design	Deep matt Smooth finish Scratch resistant	< 12 R'/60 °C	10'-20' 200 °C 7'-12' 210 °C	Customer-specific

*Test report available