

# A DESIGN IN HARMONY WITH NATURE TURNS YOUR SURFACE INTO AN EXPERIENCE

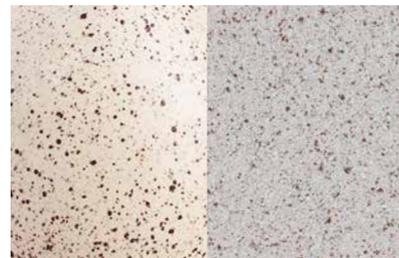
Perfectly flawed: The IGP-*LivingSurfaces* give surfaces a lively appearance and protects them in a perfect IGP extremely weather-resistant quality. A commitment to uniqueness.

## IGP-*LivingSurfaces*

IGP has followed a trend towards "living" surfaces with its IGP *LivingSurfaces* surface range. We consider "living" to refer to surfaces with deliberately-induced inhomogeneities in terms of pigment or effect distribution for instance. While individual semi-finished products meet strict tolerance specifications in terms of material and colour-related consistency and the majority of multi-component powder coating compounds are even able to exhibit characteristic effects, it is, however, the case that different batches exhibit individual and visually perceptible variations – in a similar manner to two stones that originate from the same quarry.

## Extremely weather-resistant product characteristics

The micro-speckles, wave pattern and grain structure product categories from the IGP-*LivingSurfaces* surface range are excellently suited for use in the field of architecture and, from a technical perspective, belong to the extremely weather-resistant IGP-HWF*classic* 59 product family. All surfaces are certified by third parties according to the Quali-coat quality conditions and, in terms of gloss and colour fastness as well as film mechanism and corrosive resistance, conform to the requirements of Weathering Category 2. The products from all surface categories are extremely energy-efficient at stoving conditions at 170° for 20'. Further specific product variant characteristics can be found in the respective technical data sheets, Processing Guideline PG 213 as well as Technical Information TI 112.



Quails egg on the left and IGP-*LivingSurfaces* Hazelnut on the right.

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## IGP-*LivingSurfaces*

Vivid Surfaces for Architecture



POWDER COATINGS.

## IGP-*LivingSurfaces* THREE NATURAL VARIETIES

Micro-Speckles, Wave Patterns or Grain Structures: Surface effects that have always been present in nature and, thanks to IGP-*LivingSurfaces*, now also offer new design opportunities in the field of architecture.

### Micro-Speckles

Pure and homogenous colour surfaces are rare in nature and only occur in uniformly-defined chemical structures. However, biogenic surfaces or inorganic material mixtures where, depending upon the surface and the distance to the object, individual colour points generate an overall colour through the physiological colour synthesis are much more interesting in terms of our visual perception.



Coarse crystalline plutonic rocks such as granite often exhibit the most diverse types of speckles.

### Wave Pattern

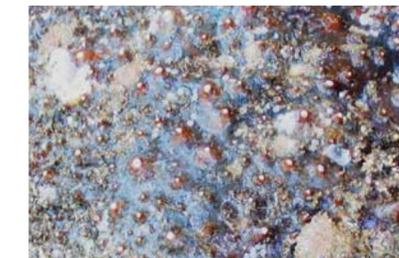
Wave structures in sand dunes, the course of river deltas or even patterns in biofilms all occur through the principle of self-organisation. They are the result of water or air flows through viscous layers that generate wave-form grooved patterns via alternating intensities. Through the wave-like warpage of the cell tissue, epidermises are able to significantly enlarge the surface and, consequently, optimise the temperature and gas exchange with the environment.



The "ripple-like" patterns in sand are a prime example of wave structures generated by the wind.

### Grain Structures

Mineral porous compounds as well as organic nodular structures that can be found on beetle shells for instance scatter the light that falls upon them in a diffuse manner. The scattering prevents the reflection of sheen and assists in blurring contours. The surface appears more solid and heavy. Powder coating materials with a special screening curve generate varying and lively textures.



This micro image of a spider crab shell shows that grain structures occur in various forms in nature.

Cover image: IGP-*LivingSurfaces* Hazelnut.

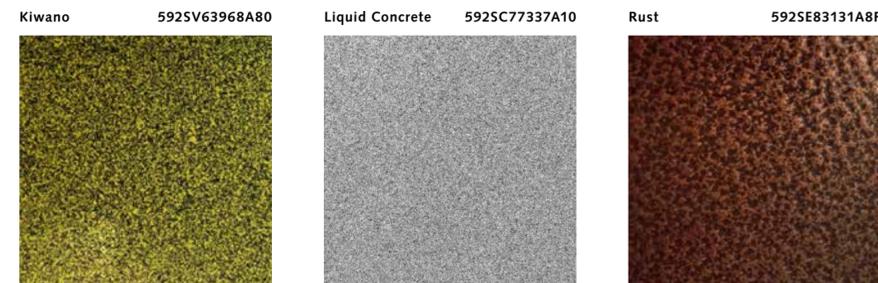
swiss quality

# IGP-LivingSurfaces SHADE COLLECTION

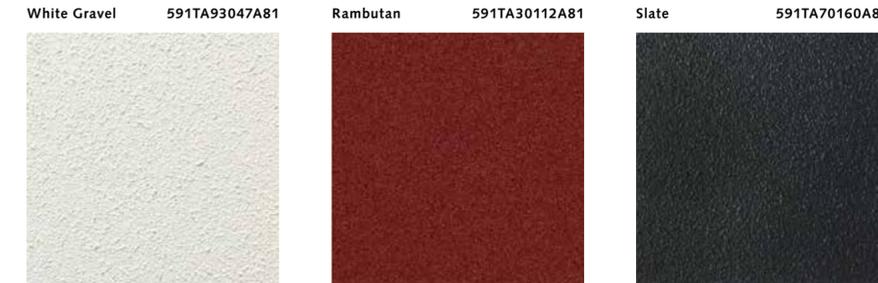
## MICRO-SPECKLES



## WAVE PATTERN



## GRAIN STRUCTURES



# IGP-LivingSurfaces RANGE

### Micro-Speckles

A micro-structure that is pleasant to the touch and easy to clean. The carrier shade is respectively supplemented by finely-dispersed additions of contrasting and / or effect-providing components. The overall colour is generated in the eye-brain vision system via the additive colour mixing of the two-component and multi-component mixtures of extremely weather-resistant coating powder.

### Wave Pattern

These patterns are usually silky gloss surfaces with gently rising warpages that evoke memories of traditional hammer impact structures. Even unicolour versions obtain a moving surface thanks to the interaction of light and shade. Multi-component products generate closer patterns, are consequently matter and, if effect particles are added, can exhibit exciting metallic structures.

### Grain Structures

Extremely coarse powder coat structure based on coarsely-ground unicolour polyester matrix. The special screening curves allow the generation of fine plaster-like, deep matt structures from a coating thickness of 140 µm. The coated bodies appear solid and mineral-like.

Product Groups						
Group	Product Group	Surface	Approval	Structure	Coating Thickness	Processing
Micro-Speckles	591TC	Micro texture, plain speckles	QC cl. 2	Single layer	≥ 70 µm	Group A
	591TV	Micro texture, metallic effect speckles	QC cl. 2	Single layer	≥ 70 µm	Group B
Wave Pattern	592SA	Coarse wave structure, plain without speckles	QC cl. 2	Single layer	≥ 100 µm	Group A
	592SC	Coarse wave structure, plain speckles	QC cl. 2	Single layer	≥ 100 µm	Group A
	592SE	Coarse wave structure, metallic effect	QC cl. 2	Single layer	≥ 100 µm	Group C
	592SV	Variable wave structure, metallic effect speckles	QC cl. 2	Single layer	≥ 100 µm	Group C
Grain Structure	591TA, A11/A81	Fine plaster structure, plain, without speckles or effects	QC cl. 2	Primer Top coat	≥ 60 µm ≥ 140 µm	Group D

Processing Groups		
Product Group	Description	Processing
591TC 592SA 592SC	These products can be processed using all conventional coating plants with corona charging. Operating in recycling mode is permitted.	Gruppe A
591TV	These products can be processed using all conventional coating plants with corona charging. The effect product should not be operated in recycling mode.	Gruppe B
592SE 592SV	These products are usually ground more coarsely and, therefore, may only be applied with a vibrated powder container without fluidizing air. (Labelled with A11 or A81 at the end of the product key) The effect product should not be operated in recycling mode.	Gruppe C
591TA, A11/A81	In principle, products with a fine plaster look are ground more coarsely and, therefore, may only be applied with a vibrated powder container without fluidizing air. (Labelled with A11 or A81 at the end of the product key) As a result of the special screening curve, the product may not be operated in recycling mode and it is advisable to process with a reduced conventional visible surface rating of the coating units. IGP KORROPRIMER 6007 must be applied when using these products outdoors.	Gruppe D

The powder coated sheet metals illustrated in this collection are non-binding colour samples.

Subject to production-related and/or application-related differences.  
No contract claims can be made based upon the information contained in this colour chart.

In addition to the information contained in Processing Guideline PG 213 "Living Surfaces", all details stated in Technical Information T1 112 "Fluidisation of Coarsely-Ground Products" must be observed for all special fluidisation and powder transport products (.A11/A81).