



Scheda tecnica

IGP-HWFclassic 591TC-A8 LivingSurfaces

Super-durable, coarsely ground, unicolored speckled coating powder for vivid plaster-like finishes.



Proprietà

- Extra opaco
- Effetto granuloso
- Effetto marazzato
- Super durable facade quality,
3 years Florida > 50% residual gloss
- Più robusto e flessibile



Omologazioni

- Qualicoat Nr. P-1173, class 2



Proprietà delle polveri

Granulometria:	< 1 000 µm
Corpi solidi:	> 99 %
Densità:	1.3 kg/l-1.6 kg/l
Stoccaggio:	min. 24 months a ≤ 25 °C in an unopened original container
Color tones:	Due to the limited volume of highly weather-resistant pigments, the product portfolio only has a small amount of different shades in accordance with the special IGP colour range.



Applicazione

Pretrattamento

For this product, a substrate-specific pretreatment and corresponding primer application is highly recommended. The single-layer application is carried out at the user's own responsibility.

Alluminio

- Chromating according to DIN EN 12487
- Chrome-free pretreatment according to GSB International and QUALICOAT specifications
- Pre-anodization

Acciaio

- Zinc phosphating

Acciaio zincato

- Zinc phosphating
- Chrome (III) passivation
- Chromating according to DIN EN 12487

The suitability of the pretreatment method used is generally to be tested by the coater in advance with appropriate test methods. The minimum requirement for aluminium substrates / galvanised steel components is to carry out a boiling water test with a subsequent cross-cut adhesion and tape test. We refer to the guidelines of the GSB International, Qualicoat and Qualisteelcoat certifications. For further information: see also our special leaflet on pre-treatment (IGP-TI 100).

Impianti di verniciatura

All conventional electrostatic systems with corona charging.

For the construction and operation of powder coating plants, the following regulations must be complied with: ATEX RL 2014/34/EU, EN 50177, DIN EN 16985.

Spessore del film consigliato

100 µm - 300 µm

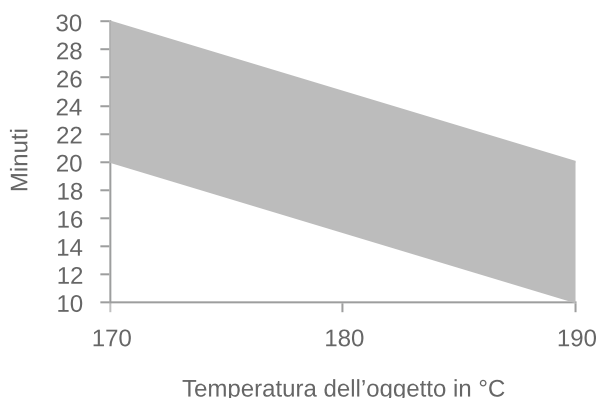
Aluminium substrate:

For the application IGP-HWFclassic 591T...A81 on aluminium, the use of a colour-similar highly weather-resistant fine structure as a primer, either IG-PHWFclassic 591TA...R10 or also 591TC... A11 in a minimum layer thickness of 60 µm is recommended. In this case, the minimum layer thickness of the Top-Coat 591TC...A81 may be less than 130 µm after testing. The processing guideline VR 213 must additionally be observed.

Steel substrate:

For the application of IGP-HWFclassic 591T...A81 on bare steel or galvanised steel, the use of the corrosion protection primer IGP-KORROPRIMER 60 in a minimum layer thickness of 80 µm is mandatory. For the application of IGP-KORROPRIMER 60, please refer to the technical data sheet IGP-KORROPRIMER 60 and additionally the processing guideline VR 213 must be observed.

Condizioni di cottura



T_{oggetto}	t_{min}	t_{max}
170 °C	20 minutes	30 minutes
180 °C	15 minutes	25 minutes
190 °C	10 minutes	20 minutes

Per accertare le condizioni di cottura migliori si consiglia, in ogni caso, di effettuare prove pratiche con il rispettivo oggetto e forno di polimerizzazione.

Application

Due to the unique particle size distribution the products enable the possibility for stucco surfaces. Application guideline VR213 "IGP -LivingSurfaces" and technical information TI 112 "IGP -LivingSurfaces" must be observed.

Recupero

Due to the unique particle size distribution the products enables the possibility for stucco surfaces. Application guideline VR213 "IGP-LIVINGSURFACES" must be observed.



Caratteristiche del film

Testato per

Substrati:	Aluminum (AlMg1), 0.8 mm chrom-free
Spessore:	60 µm - 80 µm
Temperatura dell'oggetto:	180 °C, 15 min.

Struttura superficiale

Brillantezza	1-4 R'/60°	DIN EN ISO 2813 2015-02
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Prove meccaniche

Cross-cut adhesion test	Gt 0	DIN EN ISO 2409 2020-12
Mandrel bending test / Tape test	≤ 5 mm	DIN EN ISO 1519 2011
Impact test / Tape test	≥ 20 inchnp.	ASTM D 2794 1993
Erichsen cupping / Tape test	≥ 5 mm	DIN EN ISO 1520 2007-11
Buchholz hardness	≥ 80	DIN EN ISO 2815 2003-10

Test di resistenza agli agenti atmosferici

3 years Florida, 5° south	> 50 % Brillantezza residua	DIN EN ISO 2810 2021-01
Xenon-arc lamps, 1000h, 90%	> 90 % Brillantezza residua	DIN EN ISO 16474-2 2014-03

Verifiche della resistenza a corrosione

Acetic acid salt spray test, 1000h	No infiltration, no blisters	DIN EN ISO 9227 2017-07
Condensation water test, 1000h	No infiltration, no blisters	DIN EN ISO 6270-2 2018-04

Prove chimiche

Mortar resistance	Easily removable after 24h with no residues.	ASTM D 3260 2001
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Altre informazioni

Imballaggio

20 kg cardboard box with inserted antistatic PE liner

Stampaggio e incollaggio

Preliminary tests are mandatory for printing and glueing of painted surfaces.

Protezione delle superfici verniciate

Coated parts should be packed after cooling with suitable materials without plasticizers. They should be stored protected from the weather to avoid the formation of condensation and thus water spots on the coating.

Pulizia

see T1115

Rimozione e smaltimento della pittura

After use, coated goods should be supplied to the normal recycling process. The disposal methods for sludges or residual powders must be observed in accordance with the local official provisions whilst taking Waste Code "080201 Coating Powder Wastes" in accordance with the European Waste Catalogue into consideration.

Le presenti informazioni di natura tecnica relative all'utilizzo sono fornite sulla base delle conoscenze attuali. Tuttavia devono essere considerate come indicazioni non vincolanti che non esonerano dall'effettuazione di controlli autonomi. Utilizzo, destinazione e applicazione di prodotti hanno luogo senza possibilità di controllo da parte nostra e, pertanto, soggiacciono esclusivamente alla vostra responsabilità.

Prima dell'applicazione consultare la scheda di sicurezza. Scheda di sicurezza specifica per l'articolo e misure più approfondite sulla gestione del rischio alla pagina: igp-powder.com