



Scheda tecnica

## IGP-ANTIGRAFFITI 492SE-A1

Coarsely structured powder coating for exterior applications with excellent anti-graffiti properties and outstanding chemical resistance.



### Proprietà

- Semi lucido
- Bucciato
- Perlato
- Mica
- Industrial outdoor quality
- Anti-Graffiti



### Proprietà delle polveri

|                |                                                               |
|----------------|---------------------------------------------------------------|
| Granulometria: | < 100 µm                                                      |
| Corpi solidi:  | > 99 %                                                        |
| Densità:       | 1.3 kg/l-1.6 kg/l                                             |
| Stoccaggio:    | min. 12 months a ≤ 25 °C<br>in an unopened original container |
| Color tones:   | RAL Metallic and individual metallic colors on request        |



### Applicazione

#### Pretrattamento

The substrate must be free from oil, grease and oxidation products. The pretreatment depends on the type of substrate and the corrosion protection to be achieved. We recommend the following pretreatments:

Alluminio

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

Acciaio

- Zinc phosphating

Acciaio zincato

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

For improved corrosion protection for applications on steel / galvanised steel, the use of corrosion protection primer IGP-KORROPRIMER 10 or IGP-KORROPRIMER 60 is recommended.

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.

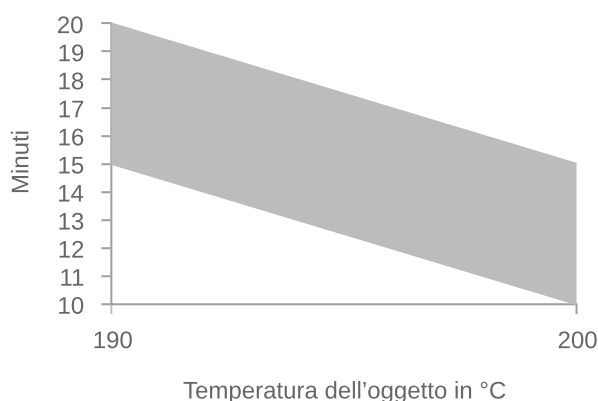
For the construction and operation of powder coating plants, the following regulations must be complied with: ATEX RL 2014/34/EU, EN 50177, DIN EN 16985.

### Spessore del film consigliato

80 µm - 100 µm

A homogeneous coating result with textured coatings or article-and color specific differences in hiding power may require higher coating thicknesses. The corresponding processing guidelines must be observed. For a pre-calculation of the required powder coating quantity, the necessary coating thickness must be determined for each article.

### Condizioni di cottura



| T oggetto | t min      | t max      |
|-----------|------------|------------|
| 190 °C    | 15 minutes | 20 minutes |
| 200 °C    | 10 minutes | 15 minutes |

In ogni caso, si raccomanda di effettuare prove pratiche con il rispettivo oggetto e per determinare l'ottimale per determinare il migliore possibile

### Recupero

Small portions of recovered powder can be added, automatically if possible, to the fresh powder. Important: Keep overspray to an absolute minimum. Processing instruction VR201.1 must be observed.

### Compatibilità

Contamination with other powder coatings may result in a drop of the gloss level, cratering, loss of mechanical properties, etc. Devices and coating systems must be thoroughly cleaned before and after using the powder.



## Caratteristiche del film

### Testato per

|                           |                                     |
|---------------------------|-------------------------------------|
| Substrati:                | Aluminum (AlMg1), 0.8 mm chrom-free |
| Spessore:                 | 80 µm - 100 µm                      |
| Temperatura dell'oggetto: | 190 °C, 15 min.                     |

### Prove meccaniche

|                      |              |                                    |
|----------------------|--------------|------------------------------------|
| taglio incrociato    | Gt 0         | DIN EN ISO 2409 2020-12            |
| Mandrel bending test | ≤ 12 mm      | DIN EN ISO 1519 2011               |
| Impact test          | ≥ 10 inchnp. | ASTM D 2794 1993                   |
| Erichsen cupping     | ≥ 2 mm       | DIN EN ISO 1520 2007-11            |
| Buchholz hardness    | ≥ 80         | DIN EN ISO 2815 2003-10 (Anhang A) |

### Test di resistenza agli agenti atmosferici

|                    |                             |                            |
|--------------------|-----------------------------|----------------------------|
| QUV-SE-B-313, 200h | > 50 % Brillantezza residua | DIN EN ISO 16474-3 2014-03 |
|--------------------|-----------------------------|----------------------------|

### Verifiche della resistenza a corrosione

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

### Prove chimiche

|          |                                                                                                                                                            |
|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Cleaning | Grazie a anti-graffiti-/IGP-DURAclean® Proprietà permette di rimuovere efficacemente la contaminazione utilizzando i normali detergenti e/o disinfettanti. |
|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------|



## Altre informazioni

### Imballaggio

20 kg cardboard box with inserted antistatic PE liner  
400 kg cardboard container with 20 antistatic PE-liners each 20kg  
500 kg cardboard container with 25 antistatic PE-liners each 20kg

### 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

The coated parts must be cleaned according to the directives RAL-GZ 632 or SZFF 61.01. Technical Information IGP-TI 106 must also be observed when dealing with pearl mica effects.

### **Rimozione di graffiti**

The following procedure should be observed when removing graffiti:

- The contact time of the graffiti with the surface must be kept as brief as possible
- Preliminary tests to select a suitable graffiti remover
- Thorough rinsing of the cleaned areas with water
- The contact time of the graffiti remover with the surface must be kept as brief as possible

IGP recommendation:

- Elite 007 graffiti remover from Crous Chemicals GmbH
- Socostrip T4210P from Socomore
- Bonderite S-ST 1302 and Bonderite C-MC 400 from Henkel AG
- or a different non-abrasive cleaner

### **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](http://igp-powder.com)**