



80

IGP Powder Coatings

TDS IGP-DURA®than 8003A-A1|240424|v1.1

This application-related advice is given to the best of our knowledge. However, this information is non-obligatory and does not exempt you from carrying out your own tests. Application, use and processing of these products are beyond our control and are therefore on your responsibility.

Consult the Safety Data Sheet prior to use. Article-specific safety data sheet and comprehensive risk management measures available at: **igp-powder.com**

IGP Powder Coatings

TDS IGP-DURA®than 8003A-A1|240424|v1.1

Technical data sheet

IGP-DURA®*than* 8003A-A1



Characteristics

- Matte
- Smooth finish
- Uni colours
- Industrial outdoor quality



Powder properties

Solids:

Suitability for storage:

99 %

min. 24 months at ≤ 25 °C

in an unopened original container



Processing

Pre-treatment

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:

Aluminium

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

Steel

- Zinc phosphating

Galvanised steel

- 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.

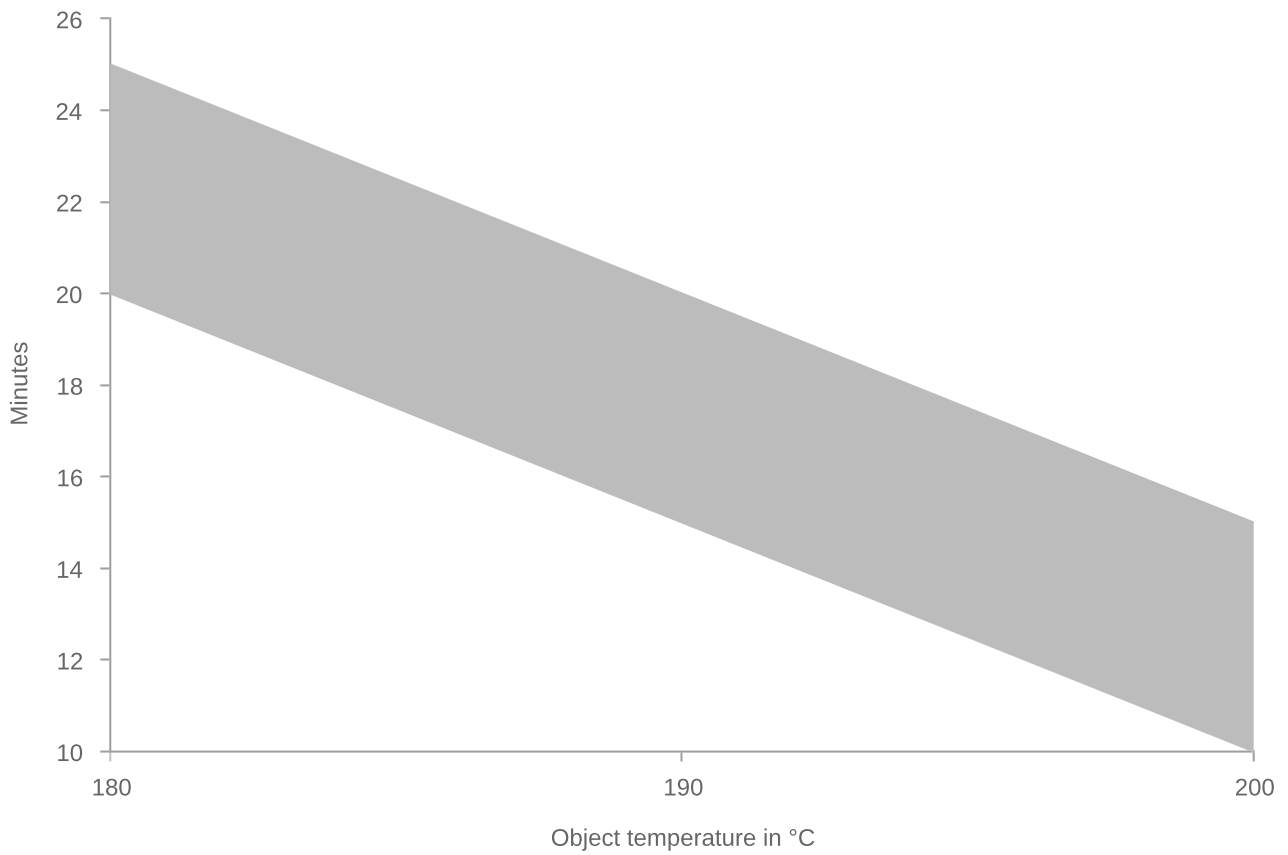
The suitability of the pretreatment method used is generally to be tested by the coater in advance with appropriate test methods. The minimum requirement for aluminium substrates / galvanised steel components is to carry out a boiling water test with a subsequent cross-cut adhesion and tape test. We 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).

Coating devices

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.

Curing conditions



T Object	t_{min}	t_{max}
180 °C	20 minutes	25 minutes
190 °C	15 minutes	20 minutes
200 °C	10 minutes	15 minutes

In order to determine ideal curing conditions, we recommend practical trials with the respective object and curing oven.



Film properties

Tested on
Object temperature:
190 °C, 15 min.



Further information