



SYSTEM: POLYESTER PE40
LOW BAKE

COLOUR: RAL 9005

APPEARANCE: SMOOTH SEMI MATT

GLOSS LEVEL: 43 ± 5 GU (ISO 2813:1994 - 60°)

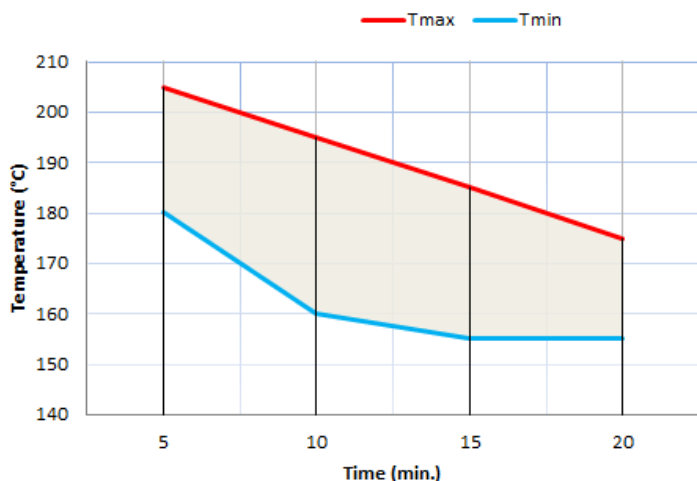


DESCRIPTION

DS431N8220 is a low curing, thermosetting polyester powder coating with excellent outdoor resistance.



PROPERTIES OF THE POWDER



Relative density: 1.45 ± 0.05 g/cm³

Particle size:

Optimized for electrostatic application and in function of coating aspect

Storage:

Dry, max. 25 °C: at least 24 months from production date

Application / Layer thickness:

With Corona gun / 60 - 90 µm

Minimum advised curing schedule (metal temperature):

10 min - 160 °C



PROPERTIES OF THE COATING

Substrate	Chromated aluminum	
Curing schedule	10 min - 160 °C	
Film Thickness	60 - 70 µm	
Adhesion	Gt = 0	(ISO 2409:2007)
Buchholz hardness	≥ 80	(ISO 2815:1973)
Pencil hardness	H - 2H	(ASTM D3363-00)
Clemen hardness	≥ 3 kg	(ISO 1518:1992)
Erichsen test	≥ 8 mm	(ISO 1520:1993)
Direct Impact	≥ 30 kg.cm	(ISO 6272:1993)
Reverse Impact	≥ 30 kg.cm	(ISO 6272:1993)
Conical Mandrel	≤ 20 mm	(ISO 6860:1984)
Cylindrical mandrel	≤ 5 mm	(ISO 1519:1973)



ADDENDUM

DS431N8220 is not compatible with other standard polyester powder coatings, a good cleaning of the spraying equipment is needed.

To guarantee an optimal adhesion and corrosion protection, depending on the substrate; an optimal pre-treatment must be applied.

For more information, see our anti-corrosion performance matrix or contact Protech-Oxyplast.

This information is given in good faith. A warranty, expressed or implied, cannot be supplied as results may vary depending on application conditions.