

OXYPLAST PE42 SANDTEX



DESCRIPTION

OXYPLAST PE42 SANDTEX is a TGIC-free low-bake polyester powder coating with a mat and consistent fine sandtex effect with good degassing properties and very good outdoor durability.

PROPERTIES OF THE POWDER

- **Density (g/cm³)** (ISO 8130-2:1992) 1,20 - 1,70 (depending on the colour)
- **Particle size distribution** Optimized for electrostatic application and in function of the coating aspect
- **Storage** Dry, max. 25°C: at least 1 year
- **Application** With Corona-gun / Layer thickness: 60 - 120 µm
- **Curing schedule**
 - 15 min. at 150 °C (substrate temperature)
 - 10 min. at 160 °C (substrate temperature)
 - 5 min. at 180 °C (substrate temperature)

A minimum curing temperature of 150 °C is needed for a full development of the coating properties.

MECHANICAL PROPERTIES OF THE COATING

- **Substrate** Degreased cold-rolled steel (0.8mm)
- **Curing schedule** 15 min. 150 °C (substrate temperature)
- **Layer thickness** (ISO 2808 :1997) 60±5 µm
- **Gloss** 60° (ISO 2813:1994) 3-7 %
(depending on colour and application)
- **Adhesion** (ISO 2409:2007) Gt = 0
- **Buchholz hardness** (ISO 2815:1973) > 80
- **Clemen hardness** (ISO 1518:1992) > 2 kg
- **Erichsen** (ISO 1520:1993) > 5 mm
- **Impact (reverse)** (ISO 6272:1993) > 25 kg.cm
- **Conical mandrel** (ISO 6860:1984) < 40 mm

ANTICORROSIVE PROPERTIES

To guarantee an optimal adhesion and corrosion protection, an optimal pretreatment must be applied, in function of the substrate:

- Steel (indoor) : iron phosphate amorphous*
- Steel (outdoor) : zinc phosphate crystalline, or better: tri-cationic phosphatation*
- Galvanized steel : chromatisation or better: tri-cationic phosphatation*
- Metallized steel : -
- Aluminium : chromatisation (DIN 50939) or Qualicoat-certified chromium-free pretreatment

*Or equivalent phosphate- and/or chrome free pretreatments. The recommendations of the supplier of the chemical pretreatment must be strictly followed.

REMARK

OXYPLAST PE42 SANTEX is not compatible with other standard polyester powder coatings (e.g. OXYPLAST PE50 or PE40). A drop in gloss with coating defects can occur. A good cleaning of the spraying equipment is needed.

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