

INFRALIT PE 8725**Low temperature curing superdurable polyester powder**

PAINT TYPE	INFRALIT PE 8725 superdurable polyester powder is a powder coating based on high quality polyester resin. Due to its special hardener the powder is free of TGIC. At elevated temperatures the powder melts, cures and forms the final paint film.
USAGE	INFRALIT PE 8725 is suitable for objects which require a first class weather-resistant coating, e.g. on areas with high UV-radiation level.
SPECIAL PROPERTIES	INFRALIT PE 8725 forms a mechanically and chemically resistant paint film which has good corrosion resistance and very good colour stability and gloss retention also in outdoor conditions that are unusually severe. INFRALIT PE 8725-00 is the general variant suitable for both corona and tribo spraying. Variant PE 8725-02 is suitable for corona only.

TECHNICAL DATA

Colours	By agreement.
Gloss 60°	75 - 95
Spreading rate	6 - 10 m ² /kg depending on the film thickness
Film thickness	The recommended film thickness is 70 - 100 µm.
Curing time	15 min/160°C (metal temperature) 8 min/180°C (metal temperature).
Storage	Minimum 12 months in dry and cool conditions.

SAFETY PRECAUTIONS

The powder itself is non-flammable, but with air it can form an explosive mixture that in presence of adequate ignition energy ignites. The lower explosive limit for polyester powder is about 80 g/m³ (Bundesanstalt für Materialprüfung). Ventilation of the spray booth should be adjusted so that the concentration of powder in the air is less than 50% of the lower explosive limit value. On calculation of the powder concentration in the spray booth, the powder deposited on the workpiece is not taken into account.

In order to avoid the discharge of powder from the booth into adjacent working spaces, the speed of air flow in the apertures of the booth must not fall below 0.5 m/s.

Spray painters should wear dust masks and protective gloves. Any spatter of powder on the skin should be washed off with water and soap.

DIRECTION FOR USE**Surface preparation**

COLD-ROLLED STEEL: Degreasing and zinc phosphating or alternatively a suitable conversion treatment.

ALUMINIUM: Degreasing and chromating or alternatively a suitable conversion treatment.

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