DATA SHEET 1602
1 23.03.2009

INFRALIT PE 8560
Polyester Powder

PAINT TYPE
INFRALIT PE 8560 is a powder coating based on polyester resin. At elevated temperatures the powder melts, cures and forms the final paint film.

USAGE
INFRALIT PE 8560 is suitable to use on steel and aluminium constructions indoors and outdoors

SPECIAL PROPERTIES
INFRALIT PE 8560 forms a mechanically and chemically resistant paint film that has good anticorrosive properties. The surface has good gloss retention even in outdoor conditions.

TECHNICAL DATA

Spraying	The powder is suitable for corona charging and for tribo charging sprays.
Colours	Available in colours according to RAL, NCS or other colour cards.
Gloss 60°	PE 8560-01 - semigloss
Solids	100%
Specific gravity	abt. 1.25 - 1.7 kg/dm³ depending on colour
Spreading rate	6 - 10 m²/kg depending on the film thickness
Film thickness	Recommended film thickness is 80 - 100 µm.
Curing time	10 min/180°C (metal temperature) - variant: PE 8560-00 10 min/160°C (metal temperature) - variant: PE 8560-01
Packages	20 kg
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.

PTO

DIRECTION FOR USE

Surface preparation

COLD-ROLLED SURFACES: Degrease by trichloroethylene vapour bath or alkali wash. Zinc phosphating is also required if the workpiece is destined for outdoor exposure or will be subjected to exceptional strain indoors.

ALUMINIUM SURFACES: Degrease by e.g. alkali wash. Surfaces to be exposed to severe atmospheric conditions should also be chromated.