

INFRALIT PUR 8450-10

anti-graffiti polyurethane powder

PAINT TYPE	INFRALIT PUR 8450-10 is a Polyurethane Powder coating that at elevated temperature melts, cures and forms the final paint films.
USAGE	INFRALIT PUR 8450-10 is suitable for use on steel and aluminium objects that require special resistance to chemicals and washing.
SPECIAL PROPERTIES	INFRALIT PUR 8450-10 is an anti-graffiti paint. It forms a very hard and smooth film that is easy to clean from graffiti. The powder coating retains its original gloss and colour even after repeated cleaning.

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. RAL 1026 is not recommended for outside use.
Gloss 60°	Available in gloss grades 30, 70 and 85.
Solids	100%
Specific gravity	Abt. 1,6 kg/dm ³ depending on colour
Spreading rate	10 - 15 m ² /kg depending on the film thickness
Film thickness	The recommended film thickness is 60 - 100 µm.
Curing time	10 min/200°C (metal temperature)
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.

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.

The information of this data sheet is normative and based on laboratory tests and practical experience. Teknos guarantees that the product quality conforms to our quality system. Teknos accepts, however, no liability for the actual application work, as this is to a great extent dependent on the conditions during handling and application. Teknos accepts no liability for any damage resulting from misapplication of the product. This product is intended for professional use only. This implies that the user possesses sufficient knowledge for using the product correctly with regard to technical and working safety aspects. The latest versions of Teknos data sheets, material safety data sheets and system sheets are on our home pages www.teknos.com.



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