

# INFRALIT PE 8431-21

## Polyester Powder

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<b>PAINT TYPE</b>	INFRALIT PE 8431-21 is a powder coating based on polyester resin. At elevated temperatures the powder melts, cures and forms the final paint film.
<b>USAGE</b>	INFRALIT polyester powders are suitable for product coating within the metal industry for objects that require a weatherproof coating that will not yellow on exposure to heat or ultraviolet light. Examples of use are e.g. constructions that are permanently outdoors.
<b>SPECIAL PROPERTIES</b>	INFRALIT polyester powders form a mechanically and chemically resistant paint film that has good anticorrosive properties and that will retain its gloss also in outdoor conditions.  INFRALIT PE 8431-21 is a camouflage paint with IR reflecting properties.

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**TECHNICAL DATA**

<b>Spraying</b>	The powder is suitable for corona charging and for tribo charging sprays.
<b>Colours</b>	MGK 93 Norwegian Army
<b>Finish</b>	Full-matt
<b>Solids</b>	100%
<b>Specific gravity</b>	abt. 1,6 kg/dm <sup>3</sup>
<b>Spreading rate</b>	5 - 8 m <sup>2</sup> /kg depending on the film thickness
<b>Film thickness</b>	Recommended film thickness is 80 - 120 µm.
<b>Curing time</b>	12 min/200°C (metal temperature)
<b>Package</b>	20 kg
<b>Storage</b>	Minimum 12 months in dry and cool conditions.

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**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/m<sup>3</sup> (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.

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**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.

The best adhesion and protection against rust is achieved by using INFRALIT EP 8040 as a primer.

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