

## Frei Lacke

# FREIOTHERM

### Product Information

Powder Coating  
PI1003N

Powder coating based on polyester resin, smooth  
Conductive Surface  
Were very good mechanical  
Good corrosion protection  
RESTRICTED for the industrial, aubeneinsatz  
For more information see EVS info 112 conductive powder coatings  
application-for example pipe coatings for

Technical / Physical Data (on steel plate ST 1405)	Binder-base	polyester resin
Color	RAL 840HR or 841GI other color on inquiry	
	pure tone and colorful white base shades of color can not be worked out	
Gloss DIN 67 530 and EN ISO 2813	semigloss 70-85 angle 60	
Grain fineness	100% < 125um	
Voltage	50 to 90 kV or static-friction tribo	
Harden	10 min @ 356 F	
Lower Flashpoint DIN 55990-6	50 to 70 g / Nm3	
Dense	1,2 - 1,7 g / cm3 depending on the shade	
Order Quantity	ca. 0,1 kg/ m2 Layer thickness 70 um	
Cross-cut DIN EN ISO 2408	Gt 0	
Erichsen DIN EN ISO 1520	> 3mm	
Impact DIN EN ISO 6272	80 / 10 kg cm (front)	

**Technical / Physical Data**  
(on steel plate ST 1405)

Continued.....

<b>Condensation</b> DIN EN ISO 6270	500 Std. on zinc phosphate Stahlbech
--	---

---

<b>Kesternich - Test</b> DIN EN ISO 3231	10 Cycle on zinc phosphate Stahlbech
---	---

---

<b>Salt spray Test</b> DIN EN ISO 7253	240 Std. on zinc phosphate Stahlbech
---	---

---

<b>Buchholz hardness</b> DIN EN ISO 2815	<1,2mm
---	--------

## Frei Lacke

# FREIOTHERM

Powder Coating  
PI1003N

---

**Stock** In the original container at least 18 months in 41 to 77 F.  
Store powder coatings in a cool and dry place.  
The expiration date of each lot is on the product.  
A storage over a specified period does not necessarily mean that the product is unusable.  
Make a review of the specific application for the necessary properties is known in this case, from reasons of quality assurance.

---

**Processing and application**      **Processing**  
ElectroStatic: High voltage charging with manual or automatic pistol.  
Electrokinetically: frictional charge with manual or automatic pistol

---

**In fact**  
Ferrous and nonferrous metals, plastics suitable

---

**Pretreatment**  
The substrate must be free from liability store materials, such as oils, fats, rust, mill scale, wax and release agent residue.  
At higher requirements we recommend suitable phosphating or chromates

---

**Notes on labor and health**  
Handle in accordance with conventional powder coatings and personal protection in the processing observed. Details will information on dangerous substances, safety data and recommendations for the health / environmental protection order can be taken from the corresponding MSDS.

---

**Special Considerations**      **Holdings**  
About fuel stock:      30 min / 356 F  
Chemicals - Passed:      VALID must be because the temperature and concentration of chemicals on the check result to take strong influence

---

**Miscibility with external powder**  
must be VALID

---

---

**Special Considerations**  
**Continued.....**

**Testing Constraints**

All information is based on standard climate 20/65 DIN 50014.

This information is based on our product knowledge and experience, on the application itself we have no control.

For further information please feel of charge.

The information in this data sheet are typical values and do not constitute specification.