

DUNAPLASZT ELEKTRO / TRIBO Siliconic

High temperature resistance powder coating

TEHNICAL DATA :

Structure:

Powders cured by heating, based on siliconic resin and containing colouring pigments, fillers and other additives.

Assortment :

| | |
|--------------------------------------|------------------------------------|
| DUNAPLASZT ELEKTRO SI silver | DUNAPLASZT TRIBO SI silver |
| DUNAPLASZT ELEKTRO SI black/graphite | DUNAPLASZT TRIBO SI black/graphite |

This assortment of electrostatic powder paint can be also produced according to the color samples brought by the client . This product is produced in the following variations : shiny , gloss and matte and smooth or structure (fine or high / orange peel) .

Field of application : These paints are used for coating steel and aluminum surfaces in interior and exterior use for temperatures of 200-400°C.

Quality parameters:

| | |
|---------------------------------------------------------------------|------------------------------------------------|
| Appearance: | white or coloured powders |
| Gelling time, 180°C | 3-5 minutes |
| Baking time, 180°C max. | 20 minutes |
| Low explosions value, | 52 g/m ³ |
| Ignition temperature | 380°C |
| The coating appearance: | of suitable colour, glossy, semigloss or matte |
| Adhesion (grade, MSZ EN ISO 2409:1999) | 0 |
| Flexibility according to Erichsen (MSZ 9640/6) | 7 |
| Flexibility by bending (9640/5:1987) | 3 |
| Shock resistance (MSZ 9640/9) | 40 |
| Water resistance (MSZ 9640/11-1983) | no change |
| Chemical resistance (MSZ 9640/28-1988) (after 48 hours at 20 °C) | |
| 3 % hydrochloric acid | no change |
| 10 % hydrochloric acid | no change |
| 3 % nitric acid | no change |
| 96 % ethanol 3 % solution of NaCl | no change |
| red vine | no change |
| natural gas | no change |
| organic dung | no change |
| Theoretical spreading rate (MSZ 9650/22:1989) | 5-12 m ² /kg |
| VOC level | 0 g/L |

All of the abovementioned data relate to a thickness of 60 µm.

Storage stability: stored according to MSZ 13910 :1973, 24 months from the date of manufacturing.

Packaging: In 16 kg and 20 kg units

Application : Before installing, metal surfaces should be degreased , in view of a possible pre-treatment - a phosphate can also be used .

If corrosion heavy loads or if the film is that to last 5 years , it is preferable preparation or roughening the surface by sanding.

Application will be made by means of electrostatic spraying (CORONA) , or the process called " tribomatic " (TRIBO) . These processes can easily be mechanized or automated. This powder can be applied as cold or heated surfaces . On cold surfaces for a glaze can be made about 60-80 µm thick and heated at 180°C on surfaces for approx. 20 µm thick. The heating temperature depends on the thermal capacity of parts and shape. Between the polymerization time and oven temperature exists the following relationship :

| | | | | | | | |
|---------------------------|-----|-----|-----|------------|-----|-----|-----|
| Oven temperature (°C) | 150 | 160 | 170 | 180 | 190 | 200 | 210 |
| Polymerization time (min) | 60 | 40 | 25 | 20 | 15 | 10 | 8 |

Fire hazard category: The powders can form with air an explosive mixture, if the powder concentration exceeds the lower explosion value.

Material content hazardous to health: it does not contain gifting materials.

H statement (GHS / CLP) : –

P statement (GHS / CLP) :

P261 – Avoid breathing dust/fume/gas/mist/vapours/spray.

P284 – Wear respiratory protection.

P302 + P352 – IF ON SKIN: Wash with plenty of soap and water.

P305 + P351 + P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P402 – Store in a dry place.

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The technical informations describing our products were compiled to the best of our knowledge. However, as the individual requirements and expectations of all of our users are not known, you are kindly asked to regard the given data as of an informative character, for which we do not assume any responsibility.