

DUNAPLASZT ELEKTRO/TRIBO P

Weather Resistant Powder Coatings

TECHNICAL DATA

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

BTO 2430129910

Commercial label:

DUNAPLASZT ELEKTRO P TRANSPARENT

DUNAPLASZT ELEKTRO P COLOURED

DUNAPLASZT TRIBO P TRANSPARENT

DUNAPLASZT TRIBO P COLOURED

Colours: according to the RAL colour chart, samples.

Glossy: high gloss, semigloss, matte

Surface: smooth

Field of application: The powders are used as outer coating of steel, aluminium surfaces. They can be preferably used for coating of garden furnitures, elements of fence, eaves, accessories of agricultural machines, metallic facades, windows etc. Powders adhere well, are hard, flexible and to a great extent shock resistant, abrasive resistant and weather resistant coatings.

Quality parameters:

Appearance:	white or coloured powders
Gelling time, 180 °C	3-5 minutes
Baking time, 180 °Cmax.	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	0 g/L

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

APPLICATION

Before application the steel surfaces must be deoxidized and degreased. The surface quality to be achieved (by blasting) should be of grade Sa 2,5-Sa 2,0.

Surface preparation: steel surfaces should be degreased, and a phosphating solution can be used. Aluminium surfaces should be chromated or, in special cases, can be sandblasted or swept.

The powder will be applied by electrostatical spraying or by the so called "tribomatic" process. On cool surface can be applied a layer of 60-80 µm, on preheated surface can be applied a layer of 200 µm thickness.

Relation between the baking temperature and baking time:

Packaging: In 16 kg and 20 kg units

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

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.