

DUNAPLASZT ELEKTRO/TRIBO P

Super Durable Powder Coatings

TECHNICAL DATA

Composition: By heating cured powder based on polyester resin contains colouring pigments, fillers and other auxiliaries.

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 card, samples.

Glossy: high gloss, semi-gloss, mat

Surface: smooth, relief

Field of application: The powders are used as outer coating of steel, aluminium surface. They can be preferably used for coating of garden furnitures, elements of fence, eaves, accessories of agricultural machines, metallic fassades, windows etc. Powders give a well adhesive, hard, flexible, and a great extent shock resistant, abrasive resistant and super durable coatings.

Quality parameters:

Appearance:	white or colour powders
Gelling time, 180 °C	3-5 minutes
Baking time, 180 °C	20 minutes
Low explosions value	52 g/m ³
Ignition temperature	380 °C
The coating	
Appearance:	suitable colored, gloss, semi-gloss or mat
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
Taber-Abraser test (MSZ 9640/8) CS 10, mg	2,9
Scratch hardness test by pencils (MSZ 960/2-1989)	2H
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

3 % solution of NaCl	no change
96 % ethanol	no change
red vine	no change
natural gas	no change
organic dung	no change

UV resistance (QUV/se Test, 500 hours, gloss reduction %)	6,5
Theoretical spreading rate (MSZ 9650/22:1989)	5-12 m ² /kg
VOC	0 g/L

All of the data abovementioned 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 surface must be degreased and can be used phosphating solution. Aluminum surface have to be chromated or in special cases can be used sandblasting or sweeping.

The powder will be applied by electrostatical spraying or so called "tribomatic" process. On cool surface can be applied 60-80 µm, on preheated surface can be applied a layer in 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, in faultless containers, 20 months counted from the date of manufacture.

Fire hazard category: the powders can form together with air explosive mixture if the concentration of the powder exceeds the lower explosions value.

Material content hazardous to health: doesn't 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.

2014.

The technical information's describing our products were compiled to the best of our knowledge. However, as the individual requirements and expectations considering all of our users can not be known, therefore you are kindly asked to regard the data given as o fan informative character, for which we do not assume any responsibility.