

ELM EPX15

Technical Data Sheet

ELM EPX 15 *Indoor quality*

ELM EPX 15 is dull mat thermosetting powder coating based on epoxy resins. It has good chemical resistance and It has excellent flow combined with excellent overall performance.

Characteristics

- Dull matt surface
- Excellent mechanical properties
- Excellent overall performance
- No VOC

Powder specifications

- Particle size < 300 µm
- Average particle size 30-60 µm
- Solids > 99%
- Density 1,3-1,8 gr/cm³
- Storage stability min 12 months
- Storage Temperature cool and dry at < 25° C

Applications

- Factory equipment
- Office furniture
- Ceiling panels
- Household appliances
- Lighting systems
- Shelving components
- Machine elements
- laboratory materials

Product range

Surface appearance

ELM EPX15

Smooth dullmatt, wrinkle effect

Colors

Mainly RAL, Pantone and NCS shades, special shades on request

Product performance

To obtain the following data, ELM EPX 15 was coated as follows

Degreased steel 0,5 mm
Coating thickness 60-80 µm
Object temperature 200 °C 10 min

Test	Method	Result
Impact	ASTM D2794	> 20 kgcm
Erichsen cupping	ISO 1520	> 5 mm
Buchholz hardness	ISO 1515	> 90
Mandrel bending		< 5 mm
Cross-cut adhesion	ISO 2409	GT 0

Condensed water and salt spray test results depend on pre-treatment of metal
> 400 hrs condensed water test DIN 50017; no infiltration, no blisters for zinc fosfate steel
> 400 hrs nautral salt spray test ISO 9227; no infiltration, no blisters for zinc fosfate steel

Application instructions

The substrate to be coated must be free of dirt, oil, rust etc.

For aluminium depending on intended purpose, degreasing or chromatising

For steel metal depending on intended purpose, degreasing, Fe –phosphating or Zinc phosphating

ELM EPX 15 can be applied by all commercial electrostatic systems both corona and tribo

Curing Schedule

Object temperature	Retention time at object temperature
190 °C	15 min
200 °C	10 min
210 °C	8 min

DISCLAIMER: All the information given in this technical data sheet is the result of our experience. Application, use and processing of the products take place outside our ability to supervise and therefore exclusively applicator's responsibility. The policy of product development, this specification is subject to change without notice.