

ELM PSL24

Technical Data Sheet

ELM PSL24

ELM PSL24 is a thermosetting powder coating that forms a high-temperature-resistant coat film after full curing with silicon-based technology.

Characteristics

- Silicon-based technology
- High temperature resistance
- Exterior durability
- One coat application
- Good general resistance
- No VOC

Powder specifications

- Particle size < 300 µm
- Average particle size 30-60 µm
- Solids > 99%
- Density 1,4-2,0 gr/cm³
- Storage stability 6 months
- Storage Temperature cool and dry at < 25 °C

Applications

- Hot surfaces
- Barbecue and heating equipment exteriors
- Hot boiler and tank surfaces
- Garden and Camping furniture
- Engine and exhaust covers

Product range

Surface appearance

Smooth semigloss, smooth semimatt.

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Colors

Special shades on request

Product performance

To obtain the following data, ELM PSL24 was coated as follows

Degreased steel 0,5 mm
Coating thickness 60-80 µm
Object temperature 240 °C 10 min

Test	Method	Result
Impact	ASTM D2794	> 10 kgcm
Erichsen cupping	ISO 1520	> 5 mm
Buchholz hardness	ISO 2815	> 100
Mandrel bending	ISO 6860	< 100 mm
Cross-cut adhesion	ISO 2409	GT 0

Application instructions

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

For aluminium, zinc and other non-ferrous metals depending on intended purpose, with corundum

For steel metal depending on intended purpose, thin sheet or grit
ELM PSL24 can be applied by all commercial electrostatic systems both corona.

WARNING: No chemical pretreatment is recommended as the ELM PSL24 series will be exposed to high temperatures during use.

Curing Schedule

Object temperature	Retention time at object temperature
230 °C	15 min
240 °C	10 min
250 °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.