

ELM PLA30

Powder Coatings



ELM PLA30 series Powder Coating

- Outdoor durability
- Qualicoat approval
- TGIC free
- Good storage stability
- No VOC
- Excellent flow
- Excellent mechanical properties

ELM PLA30 series highly weather-resistant TGIC-free powder coating for more color fastness and gloss retention

Element ELM PLA30 series is a powder coating system for the architecture. ELM PLA30 series fulfils high requirements in respect of weather resistance with outstanding mechanical properties.

Product range

- RAL, NCS-S and Pantone shades
- Pearl mica shades (metallic)
- special shades on request
- 70-100% gloss levels



TESTS <i>minimum film thickness: 60 µm</i>	COLOURS TESTED			
	RAL 3005	RAL 5010	RAL 9006	RAL 9010
Gloss (EN ISO 2813), %	89	88	80	89
Thickness (EN ISO 2360), µm	70-100	70-100	70-100	70-100
Dry Adhesion (EN ISO 2409), Gt	0	0	0	0
Cupping (EN ISO 1520) <i>No detachment at a diameter of 5 mm</i>	√	√	√	√
Impact test (EN ISO 6272-1/2) <i>No detachment at 2,5 Nm</i>	√	√	√	√
Kesternich (EN ISO 3231) <i>No penetration or detachment beyond 1 mm No infiltration exceeding 1 mm the scratches, No change in colour or blistering in excess of 2(S2)</i>	√	√	√	√
Acetic Salt Spray (EN ISO 9227), 1000 hrs <i>Length of filaments: max 4mm Infiltration: max 16mm2/10 cm No blistering in excess of 2(S2)</i>	√	√	√	√
Accelerated weathering (EN ISO 11341) <i>Test time: 1000 hrs Gloss retention % Residual value not less than 50%</i>	84	88	82	86
Accelerated weathering (EN ISO 11341) <i>Test time: 1000 hrs Color variation Not more than Qualicoat Appendix A7</i>	√	√	√	√
Constant climate condensation water (EN ISO 6270-2) <i>No infiltration exceeding 1 mm on the scratch No blistering in excess of 2(S2)</i>	√	√	√	√
Resistance to boiling water (EN 12206-1 Par.5.10) <i>No defects No detachments</i>	√	√	√	√
Resistance to mortar (EN 12206-1) <i>No defects No color change No residues of the mortar</i>	√	√	√	√

Powder specifications

- Particle size < 300 µm
- Average particle size 30-60 µm
- Solids content > 99%
- Density 1,3-1,8 gr/cm³
- Storage stability >24 months
- Curing schedule 180 °C 10'

ELEMENT Powder Coating

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