ELM PLA40
Powder Coatings

ELM PLA40 series Powder Coating

Outdoor durabilty
Qualicoat approval
Good storage stability
No VOC
Excellent flow
Excellent mechanical properties

ELEMENT
New way in Powder Coating

ELM PLA40
Powder Coatings

ELM PLA40 series highly weather-resistant powder coating for more color fastness and gloss retention

Element ELM PLA40 series is a powder coating system for the architecture. ELM PLA40 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 *minimum film thickness: 60 µm*	COLOURS TESTED			
	RAL 3005	RAL 5010	RAL 9006	RAL 9010
Gloss (EN ISO 2813), %	92	93	87	94
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) *No detachment at a diameter of 5 mm*	√	√	√	√
Impact test (EN ISO 6272-1/2) *No detachment at 2,5 Nm*	√	√	√	√
Kesternich (EN ISO 3231) *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)*	√	√	√	√
Acetic Salt Spray (EN ISO 9227),1000 hrs *Length of filaments: max 4mm* *Infiltration: max 16mm2/10 cm* *No blistering in excess of 2(S2)*	√	√	√	√
Accelerated weathering (EN ISO 11341) *Test time: 1000 hrs* *Gloss retention %* *Residual value not less than 50%*	85	97	93	95
Accelerated weathering (EN ISO 11341) *Test time: 1000 hrs* *Color variation* *Not more than Qualicoat Appendix A7*	√	√	√	√
Constant climate condensation water (EN ISO 6270-2) *No infiltration exceeding 1 mm on the scratch* *No blistering in excess of 2(S2)*	√	√	√	√
Resistance to boiling water (EN 12206-1 Par.5.10) *No defects* *No detachments*	√	√	√	√
Resistance to mortal (EN 12206-1) *No defects* *No color change* *No residues of the mortar*	√	√	√	√

Powder specifications

- Particle size < 300 µm
- Average particle size 30-60 µm
- Solid content > 99%
- Density 1,3-1,8 gr/cm^3
- Storage stability >24 months
- Curing schedule 200 °C 10'

ELEMENT Powder Coating
Birlik OSB 1 Nolu Cadde 6. Sokak No:5 Tuzla/İstanbul/TURKEY
Tel: +90216 593 29 80 Fax: +90216 593 29 81 www.elementboya.com
For more information please contact: element@elementboya.com