

FolaSal® 3-layer PVDF

Description:

Coating comprising primer, base coat and clear coat on hot-dip galvanized steel with Z275 zinc coating. The standard total coating thickness is 55 µm. This coating exhibits excellent resistance to weathering and corrosion as well as offering very good forming characteristics.

Typical application areas:

Facades and roofs with high demands for resistance to weathering and corrosion.

Note:

Our Technical Customer Service staff would be happy to provide you with further information on this and our other FolaSal® coating systems.

Properties:

Property	Test specification	Values
Standard dry layer thickness (total)	EN 13523-1	55 µm
Gloss (60°)	EN 13523-2	20 - 50 GE
Adhesion (cross-cut)	ISO 2409	Gt 0
Adhesion after indentation	EN 13523-6	6 mm/ Gt 0
Resistance to cracking on bending (adhesion)	EN 13523-7	Max. 1T without peeling
Resistance to cracking on bending (T-bend)	EN 13523-7	Max. 3T without cracks
Resistance to solvents (MEK test)	EN 13523-11	At least 100 double rubs
Pencil hardness	EN 13523-4	F - H
Buchholz hardness	ISO 2815	Min. 91
Resistance to cracking during rapid deformation (reverse impact)	EN 13523-5	Min. 8 J
Salt spray resistance	ISO 9227 ISO 4628-2 ISO 4628-8	After 700 h the average corrosion creep at the scribe is max. 2 mm, no blistering on the surface
Corrosion resistance category	EN 10169	RC4
Resistance to condensation of water	EN 13523-26 ISO 4628-2	1500 h (Blistering level max. 2(S2))
UV resistance	EN 10169-2 EN 13523-10	UV resistance category R _{UV4} after 2000 h testing with UV-A-340 lamp Residual gloss ≥ 80% of the baseline ΔE max. 2 CIELAB units (applies to unsaturated solid color shades)
Temperature stability		Up to 80° C, short-term up to 110° C
Minimum processing temperature		18° C (material temperature)
Corrosion protection class	DIN 55928-8	KIII (in combination with Z275)

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