

Material-data-sheet

WS-Plast Thick Layer Coating M 4200

Liquid plastic coating directly adhesive to zinc and aluminium surfaces

Properties:	WS-Plast Thick Layer Coating M 4200 is a VC-copolymer, which due to its special composition, adheres directly to zinc and aluminium surfaces without the need of pretreatment. Light and weather resistant pigments ensure strong permanent protection even in aggressive atmospheres.
Purpose:	WS-Plast Thick Layer Coating M 4200 is suitable, for example, for painting hot galvanized fences, gates, balcony railings, lamps, rain gutters, steel structures as well as non-anodized aluminium components, such as canopies, flagpoles, hall gates, facade facings.
Colors:	In accordance with standard color samples, special colors to RAL or sample are possible. The UV-stability from bright red and blue colours is limited and may fade with in 2 years.
Surface pretreatment:	WS-Plast Thick Layer Coating M 4200 can be applied directly on zinc, aluminium or rigid PVC without special pretreatment. The wet film thickness should be at least 100 µm (dry film thickness approx. 50 – 80 µm). The surface must be clean, dry, and free of grease and dust. For more detailed information, see EN ISO 12944 Part 4. Non-galvanized steel that is used outdoors must be thoroughly derusted and dust must be removed; then the surface shall be painted once or twice with our special WS primer M 4022, where the corrosion protection depends on the quality of derusting selected. Commercial primers on alkyd-resin basis are not suitable. Indoors, no special corrosion protection primer is required.
Application:	The material may be applied by brushing, rolling, conventional or airless spraying. <u>Brushing:</u> approx. 10 – 20 % WS-Plast thinner MV 751 <u>Air spraying:</u> 2.0 – 2.5 mm nozzle with approx. 3 – 4 bar inlet pressure, add 15 % WS-Plast thinner max. <u>Airless spraying:</u> Equipment having a compression ratio of 1:30 or More should be used for airless application. Inlet pressure at least 4 – 5 bar. Nozzle with approx. 0.38 – 0.66 mm bore. <u>Electrostatic:</u> WS-Plast M 4200 is adapted approx. 650 kOhm, and is therefore suitable for all common electrostatic plants.
Consumption:	250 g/m ² outdoors is minimum.
Specific gravity:	Approx. 1.1 – 1.3, depending on color.
Viscosity:	Thixotropic, i.e. non-dripping application is possible on vertical surfaces.
Drying time:	Dust-dry: approx. 20 minutes, fast to handling: approx. 2 hours, hardened through: approx. 1 – 2 days, oven drying: approx. 30 minutes at 70 °C max.
Thinner:	WS-Plast thinner MV 751. Other suppliers' thinners must not be used under any circumstances in order not to affect adhesion to the surface.
Storage stability:	At least 1 year in cool, dry rooms in closed original packing.
VBF hazared class:	A II
Flashpoint:	Above 21 °C
Marking in accordance with the ordinance regarding hazardous working material:	Hazardous, contains xylol.
Packing:	Box with 10 x 750 ml, box with 6 x 2.5 l, 11 kg tins, hobbock of 30 kg.