

## Thickfilm M 4200 + Thickfilm M 4200 EG

WS-Plast® Thickfilm M 4200 is a pure acrylate paint system which, due to its special composition, adheres to zinc and aluminum surfaces without any primer. It is suitable for use as a duplex system (hot dip galvanizing plus coating) depending on the layer thickness and the ambient conditions for coating acc. to EN ISO 12944 part 5 chart A7 coating system no. S7.05 until S7.08. WS-Plast® Thickfilm M 4200 is also suitable for the coating of hot-dip galvanized enclosures, gates, balcony railings, lamps, gutters, steel structures, blacksmithing, as well as non-anodized aluminum components such as porches, flagpoles, cladding, etc.

- Thixotropic, solvent containing
- Silk mat
- Temperature resistant up to approx. 80° C
- High coverage
- Directly adhering to zinc and aluminum
- Miscible according to RAL
- 18 different iron mica standard tones
- Weatherproof
- Fast drying



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### Surface pretreatment:

The **hot-dip galvanized** surface has to be clean, free of grease and dry (condensed water). On small surfaces, this can be achieved by cleaning with hot water, dishwashing detergent and brush and on big surfaces by cleaning with a hot steam jet. For this, in particular see EN ISO 12944-4 point 12 until 14. White rust also has to be removed like described above. **Aluminum** surfaces have to be grinded manually or blasted according to EN ISO 12944-4 point 6.2.6.4.1 with low pressure and fine grit. **Non-galvanized** steel, which is used outside, has to be derusted thoroughly and primed 1-2 times with WS-Haftgrund M 4021. However, the corrosion protection depends on the quality selected for the derusting. Products from other manufacturers have to be tested for suitability. Adhesion on **old coatings** has to be tested, loose points and rust have to be removed and primed punctually with WS-Haftgrund M 4021. **Attention:** Due to different metal types, alloys, metallic coverings and conversion coatings, a direct adhesion cannot be assumed automatically. Therefore, an adhesion test has to be made on the original metallic surface.

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### Thinner:

WS-Plast® thinner MV 751, if other thinners are used, the guarantee expires.

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### Drying time:

dust dry: approx. 20 minutes  
recoatable: approx. 1-2 hours  
touch-proof: approx. 2 hours  
completely dry: approx. 1-2 days  
Oven drying: forced drying possible up to max 55°C

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**Application:** The application can be done by brushing, rolling, conventional or airless spraying. All electrostatic methods are applicable. Stir well before use.

- Brushing: approx. 10 – 20 % **WS-Plast®** thinner MV 751.  
Recommended brush type: clear china bristle
- Rolling: approx. 10 – 20 % **WS-Plast®** thinner MV 751.  
Recommended roll type: short velour or mohair
- Air spraying: approx. 20 – 25 % **WS-Plast®** thinner MV 751.  
Recommended nozzle size: 2.0 mm  
spray pressure approx. 3,5 - 4,0 bar
- Airless spraying: approx. 10 – 20 % **WS-Plast®** thinner MV 751.  
Recommended spray pressure: approx. 180 – 200 bar,  
nozzle size 0,33 – 0,66 mm
- Electrostatic: approx. approx. 15 – 25 % **WS-Plast®** thinner MV 751.  
Standard adjustment approx. 500 – 750KOhm

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**Consumption:** 250 g/m<sup>2</sup> result in 80 µm dry film thickness = recommended minimum layer thickness. If used near the coast and in road salt contaminated environment at least 160 µm are required.

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**Packaging:** 750 ml (selected colors), 2,5 l, 11 kg, 30 kg (selected colors)

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**Storage stability:** 12 month in cool, dry rooms

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**Viscosity:** thixotropic, i.e. non dripping application is possible on vertical surfaces.

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**Information:** For professional use only!

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The regulations of hazardous goods have to be followed. Hazardous goods regulation: subject to labelling. For handling of the product and its substance-specific data please ask for the safety data sheet.