Mipa WBS Wetterschutzfarbe

Product Information

Product description

Operational sector:

Waterborne universal satin matt paint based on pure acrylate dispersion for exterior and interior use on surfaces exposed to normal stress. It is an excellent choice for high quality finishes of wooden construction elements which are out of tolerances such as roof overhang, garden houses and fences. To be also applied on primed ferrous and steel substrates, for zinc or hard PVC gutters and rain grooves, for aluminium and mineral supports such as concrete or mason, as well as firmly adhering old layers of paint based on dispersion or synthetic resins.

Properties :

- Weather-resistant according to **DIN 18 363,** light-fast
- water repellent, breathable, permanent elastic
- hiding power class 1 **DIN EN 13300**
- wet abrasion resistance class 1 **DIN EN 13300**
- complies with requirements of EN 71-3 (Migration of Certain Elements) and DIN 53 160 (colour fastness to saliva and sweat)
- free from fragrances and plasticiser according to 2009/48/EG (Toy Safety Directive)

Content as per VDL directive 01:
(association of German paint industry)

Pure acrylate dispersion, titanium dioxide, water, silica based filling material, glycol, additives, preservatives

Colour availability :

see Colour Register (Mipa Decorative Products)

Specification :

Gloss level:	satin matt	**DIN 67 530**
Specific gravity:	1.3 - 1.5 g/cm³	**DIN 51 757**
Viscosity:	approx. 70 dPas	**DIN 53 019**
pH value:	approx 8.0	**DIN 53 785**

Storage :

At least 2 years, if the tightly closed original packages are kept dry, protected against frost. Storage temperature: from +5°C till maximum +30°C.

VOC regulation :

EU limiting value for the product (cat. A/d): 130 g/l
This product contains max. 129 g/l VOC [1.07 lbs/gal]

Application

Processing conditions :

The object and ambient temperature should be between + 5°C and + 35°C. Do not apply if exposed to direct sunlight or high wind. Up to max. 75 % relative air humidity.

Substrate pre-treatment:

The substrate must be clean, dry, solid and free of dust, oil, grease, wax and corrosive products. Remove completely damaged and not firm old coatings Sand slightly and remove dust from firmly adhering old coatings.

Fresh timber / wooden tools :

Remove exuded resin and pitch pockets. Maximal moisture content for softwood: 15 %, for hardwood: 12 %.
For exterior use, apply a first coat with Mipa WBS Holzschutzgrund Premium. Recoat with Mipa WBS Wetterschutzfarbe at the earliest after 6 hours. Adhesion according to **DIN 53 151**: Gt 0

New wood: Clean and free the surface from resin and other exuding wood components. If water-soluble components are to be expected in the wood substrate a pretreatment with Mipa WBS Isoliergrund is recommended.

Old wood : Sand the weathered layers down to healthy wood. Apply subsequently Mipa WBS Holzschutzgrund Premium on untreated areas. If water-soluble components are to be expected in the wood substrate an intermediate coating with Mipa WBS Isoliergrund is recommended.

Metal : **Iron, steel**: For a good corrosion protection, apply a priming coat with Mipa WBS Primer or Mipa WBS Allgrund. Recoat at the earliest after 4 hours with Mipa WBS Wetterschutzfarbe. Adhesion according to **DIN 53 151**: Gt 0.
Aluminium: degrease and sand slightly. Adhesion according to **DIN 53 151**: Gt 0.
Zinc: Pretreat the surface with Mipa Zinkreiniger. For sanding use aluminium oxide abrasive web (e.g. Scotch-Brite) , but in no case steel wool. Adhesion according to **DIN 53 151**: Gt 0.

Hard PVC : Remove the existing separating agents (in case of new plastic parts), clean and sand gently. Adhesion according to **DIN 53 151**: Gt 0

Mineral substrates : Insulate absorbent, powdery or chalking substratess with Mipa Tiefgrund LF. Apply an intermediate coat with Mipa WBS Wetterschutzfarbe thinned up to 10 % with water. Topcoat with Mipa WBS Wetterschutzfarbe undiluted.

Application process : Stir well before use.
Brushing and rolling: dilute up to 10 % with water in case of strong absorbent substrates or higher temperature.

	Spraying (Air):	**(Airless/Airmix):**
viscosity:	45 s 4 mm DIN	70 dPas
nozzle:	1.8 - 2.2 mm	0.13 mm
pressure:	3 - 4 bar	180 bar
spray passes:	2	2
dilution:	20 % water	undiluted

spraying angle: 50° (dependable on surface size)
Flush off time between spray passes: 10 min.

Thinner : water

Drying time : Before drying at higher temperature allow a flash-off time of 10 - 15 min. The drying time depends heavily on coat thickness, temperature and relative air humidity.

	20° C	60° C
dust dry	40 min.	15 min.
dry to touch	1 h	30 min.
tack free:	> 4 h	1 ½ h after cooling

Spreading Rate : approx. 7 m^2 / l depending on substrate and application method.

Special Recommendations

Mipa WBS Wetterschutzfarbe is not suitable for application where blocking properties are essential. Regular and professional maintenance is essential for the serviceability and the durability of the treated wood construction elements. Stir well and strain before Airless application.

Cleaning of tools

Tools should be cleaned immediately after use with water. Spraying dust should be cleaned immediately with water. Dried films can be removed with a paint remover (Mipa Abbeizfluid).