

Mipa WBS Brillant-Design is a water-borne paint to be used in the base coat system Mipa WBC-Basislacksystem. It creates innovative special brilliant optical effects by application either in 2 coats or 3 coats process. When applied by 2 coats process, the paints Mipa WBC-Mischlacke or WBC mixtures could be blended with Mipa WBS Brillant-Design in any desired mixing rate.

Consumption: 7 - 9 m² / liter (by approx. 20 µm dry film thickness)

Colour availability	BD 01 yellow, BD 03 red, BD 05 blue		
Mixing rate	Base coat Mipa WBC-Mischlack or WBC mixture + Mipa WBS Brillant Design / Mipa WBS Brillant-Design pure; ready to use by addition of 10-20 % spraying thinner Mipa WBC-Verdünnung		
Dilution	Mipa WBC-Verdünnung		
Spraying viscosity 20° C	22 - 25 s 4 mm DIN		
Processing	<p>1. 2-coats process: <u>1st. coat:</u> Base coat Mipa WBC-Mischlack or WBC-mixture + Mipa WBS Brillant-Design blended in any desired mixing rate. The effect and the colour shade will depend on the mixing rate. <u>2nd. coat:</u> clearcoat Mipa 2K-HS-Klarlacke</p> <p>2. 3-coats process: <u>1st. coat:</u> undercoat with Mipa WBC <u>2nd. coat:</u> Mipa WBS Brillant-Design. Due to their transparency, the best colour effect will be developed when applied in a suitable number of spraying operations. <u>3rd. coat:</u> clearcoat Mipa 2K-HS-Klarlacke</p>		
Application	Spraying pressure	Spraying nozzle	Spraying operations
HVLP	2 - 2,5 bar	1,3 - 1,4 mm	2,5 by 2-coats process 1 - 3 by 3-coats process
Coat thickness / dry film	15 - 20 µm		
Curing time /Flash off time	5 - 8 min. between the spraying operations with the basecoat		
Dry	Recoatable with the clearcoat Mipa 2K-HS-Klarlacken:		
Object temp. 20° C:	20 min. (surface has to be completely satin gloss dried)		
Object temp. 60 °C	7 min. + 5 min. cooling		
with IR drying (short wave)	2 min. + 5 min. cooling		
with blower:	7 min.		
VOC directives	EU limiting value for the product (cat. B/d): 420 g/l (2007) This product contains max. 420 g/l VOC (3.5 lbs/gal)		

Processing conditions:

From +10°C and up to 75% relative air humidity. Assure suitable ventilation.

This technical data sheet is supplied for informational purposes only! According to our information, all data and recommendations correspond to the state of art and are based on years of experience in manufacturing our products. They do not exempt the user from his obligation to verify professionally, on his own responsibility, the suitability of our products to the intended purpose under prevailing conditions. Safety data sheets and warnings on packaging must be observed. We reserve the right to modify and to complete the information content at any time, without prior notice or obligation to update.

Special recommendations :

Shorter drying time after treatment by higher air speed and reduced relative air humidity. By using a blower, the drying time will be accelerated with approx. 50 %. Storage protected against frost. Put on the stirrer only by necessity.

Optimal processing conditions:

Air temperature: 20 - 25 °C; object temperature > 15 °C; rel. air humidity: 40 - 60 %, air speed: > 0,3 m/s

Recommendation for end-use:

The first coat should be sprayed as a thin film, not too wet. By the second spraying operation the complete covering will be obtained in the most situations. To assure a perfect distribution of the aluminium pigments across the whole surface, a third thin coat is necessary (spraying mist technique). Spray as a mist the base tinter from a longer distance by using a reduced spraying pressure. To best bring out the special optical effect of this innovative product, it is advisable to follow the above recommendations. By the 3 coats system method this dropping operation is no more necessary when Mipa WBS Brillant-Design is used. Do not apply directly on thermoplastic old coatings.

Clear-over-base application:

Mipa WBS Brillant-Design could be recoated with all Mipa 2K-MS and 2K-HS-Klarlacken. For VOC reduction, we recommend using Mipa 2K-HS-Klarlacke.

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