Mipa WBC Binder Reißlack

Technical data sheet

Intended use

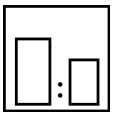
Fast drying, waterborne 1K crackle effect paint matt, which is used in combination with Mipa WBC Binder 2K-Decklack to create crackle effects. Suitable for coating plastic substrates such as TPU, PA, ABS and PP (pre-coated with Mipa WBC Binder 2K-Decklack) but also for coating primed metal substrates (pre-coated with Mipa WBC Binder 2K-Decklack) in interior and exterior use. Mipa WBC Binder Reißlack is tintable with Mipa WBC-Mischlacke and thus guarantees a wide range of colours. The combination with the wide range of colours with which the precoat Mipa WBC Binder 2K-Decklack can be tinted result in a wide variety of colour combinations.

Spreading rate: 18,9 - 19,9 m²/l (for 20 µm DFT)

Processing instructions

Colour

tintable with Mipa WBC-Mischlacken



Mixing ratio

Hardener	by weight (lacquer : hardener)	by volume (lacquer : hardener)
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Hardener

for complete paintwork	for partial paintwork
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Pot life

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Thinner

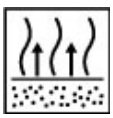
10 - 15 % Mipa WBC-Verdünnung

Spray viscosity

gravity spray gun	Airmix/Airless
20 - 25 s 4 mm DIN	--

Application mode

Application mode	Hardener	pressure (bar)	nozzle (mm)	spray passes	Thinner
gravity spray gun (high pressure)	--	2 - 2,5	1,2 - 1,3	1 - 2	10 - 15 %
HVLP (low pressure)	--	2 - 2,2	1,2 - 1,3	1 - 2	10 - 15 %
HVLP / internal nozzle pressure	--	0,7	--	--	--



Flash-off time

without

Dry coat thickness

15 - 20 µm

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Drying time

object temperature	dust dry	set to touch	ready for assembly	sandable	recoatable
20 °C	5 - 10 min	30 - 40 min	--	--	1 h

Note

Storage: for at least 2 years in unopened original containers. Frost-free storage.

VOC Regulation : EU limit value for this product (category B/d): 420 g/l
This product contains max. 420 g/l of VOC.

Processing conditions: From +10 °C and up to 80 % relative air humidity. Ensure an adequate air ventilation.

Drying times reduce with increasing air velocity and decreasing relative humidity.

Optimum processing conditions:
air temperature 20-25°C
object temperature > 15°C
relative air humidity 40-60 %
air velocity 0,25 - 0,3 m/s

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Processing instructions:

The size and the number of cracks depend a lot on the overcoating times and the coating method. Therfore, coating tests must be carried out under practical conditions to achieve the desired crackle effect.

As a rule, the pre-coating Mipa WBC Binder 2K-Decklack must be overcoated after 2 to max. 5 minutes of drying at room temperature to ensure a sufficient effect formation.

Note: It can take up to 12 hours to achieve full cracking. Therefore, the final crackle effect can only be finally evaluated after this further drying at room temperature. This also applies to optional clearcoat finish.

Preparing the ready-to-use mixture Mipa WBC Binder Reißlack:

80 parts by weight Mipa WBC Binder Reißlack + 20 parts by weight WBC base tinter mixture, this mixture + 10 - 15 % Mipa WBC-Verdünnung

Please note: Due to the system, the binder additives will lighten the colour shade.

Coating process:

1. Pre-coating with Mipa WBC Binder 2K-Decklack glänzend or matt in desired colour shade, apply 2 - 3 flowing coats

Note: If the colour of the desired Mipa WBC 2K Topcoat changes due to limited hiding power, it is recommended to precoat an opaque basic tint on the basis of the WBC coating structure. Mipa WBC Colour + 5% by weight or by volume of Mipa WBC Hardener (first stir the hardener thoroughly into the basic paint), then dilute with 10-20% Mipa WBC verdünnung or Mipa WBS Beschleuniger, intermediate flash-off time at least 20 minutes at room temperature.

Then apply base colour Mipa WBC 2K Topcoat System in a ratio of 70:30 (70 parts by weight of binder: 30 parts by weight of colouring component).

2. Important : after 2 minutes up to max. 5 minutes flash-off time at ambient temperature, Mipa WBC Binder Reißlack must be applied to achieve the desired crackle effect!

3. topcoat: Mipa WBC Binder Reißlack in desired colour shade, apply 1 - 2 flowing coats (approx. 15 - 20 µm DFT)

4. Allow the coating to dry at ambient temperature, so that the crackling can start. After approx. 30 minutes flash-off time, oven drying is also possible if required.

5. Optionally, the crackle effect coating can be overcoated with an additional clearcoat of Mipa 2K-Klarlacken to achieve an optimum finish. In this case, observe an intermediate flash-off time of approx. 1 hour at ambient temperature after the application of Mipa WBC Binder Reißlack.

Note: Mipa WBC Binder Reißlack results in matt coatings. If higher gloss levels or glossy topcoats are desired, this can be achieved by applying a corresponding clearcoat.

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