



Finma-Sil

Description

Finma-Sil pastes are aqueous matting agent concentrates with a very broad compatibility in all tested water-based systems, including acrylate and polyurethane dispersions.

Finma-Sil is free-flowing, easy to handle and pumpable.

The amount of wetting agents is reduced to a minimum. Nevertheless, Finma-Sil does not cream even after prolonged storage times and does not sediment. The sedimentation behavior is significantly improved compared to the pure component.

The paste can also enhance the soft feel and the mechanical resistance (against marking, polishing) of the surface.

Range of use

Finma-Sil pastes are readily dispersed concentrates that can be easily incorporated into existing formulations for matting or final adjustments of the matting degree. High shear rates are not necessary. Finma-Sil is compatible with all water-based systems:

- PU-Dispersions
- Polyester/Alkyd resins
- Amide-/Amine resins
- Acrylate-Dispersions
- Polyepoxide resins
- Aqueous UV coatings

Applications

- Parquet varnishes, floor care products
- Furniture coatings/foils
- Foil coatings
- (Artificial)Leather-Topcoats
- Plastic part coatings
- Glass coatings
- Packaging inks

Specification

Finma-Sil	solid content	average particle size (D50)	average particle size (D90)
8-FX 1.5	45 ± 1 %	8.8 µm ± 10 %	18.1 µm ± 20 %
15-FX	50 ± 1 %	13.6 µm ± 10 %	23.6 µm ± 20 %
8-RX	45 ± 1 %	7.3 µm ± 10 %	12.7 µm ± 20 %
30X-5	45 ± 1 %	3.8 µm ± 10 %	7.1 µm ± 20 %
8-BX	50 ± 1 %	6.9 µm ± 10 %	11.9 µm ± 20 %
20-MG	20 ± 1 %	6.7 µm ± 10 %	10.9 µm ± 20 %
30X-5EM	22 ± 1 %	4.8 µm ± 10 %	7.3 µm ± 20 %
30X-5W	52 ± 1 %	4.8 µm ± 10 %	11.6 µm ± 20 %

Typical data general information, not part of the specification

Finma-Sil	appearance	pH-value	matting degree	Surface feel	dispersing fineness
8-FX 1.5	white paste	neutral	medium	velvety/soft	≤ 45 µm
15-FX	white paste	neutral	medium	soft/anti-slip	≤ 50 µm
8-RX	White paste	Neutral	medium	medium soft	≤ 40 µm
30X-5	white paste	neutral	medium	silky/smooth	≤ 25 µm
8-BX	white paste	neutral	medium	silky/smooth	≤ 45 µm
20-MG	white paste	neutral	high	smooth	≤ 25 µm
30X-5EM	white paste	neutral	high	silky/smooth	≤ 25 µm
30X-5W	white paste	Neutral	medium/high	silky/smooth	≤ 25 µm

Further types are available upon request

Packaging	Packaging unit	25 kg plastic drum 100 kg plastic drum 1000 kg container (IBC)
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Storage

Store in closed containers at low relative humidity and protected from freezing. Always keep the containers closed. The storage period of six months after shipment should not be exceeded.

It is recommended to homogenize by stirring before use.

Contact

- Customer-specific requirements need individual solutions.
- We can offer you support and advice for the start of your development work.
- Do you need more information?
- The FINMA team is looking forward to your contact.

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created 2019-10-08

replaces sheet from 2019-02-05