

TECHNICAL INFORMATION

Locron[®] S fla

Locron[®] S flakes for textile application (hydrophobing dispersion)

Locron S fla is an important raw-material in combination with waxes and paraffin to produce excellent hydrophobing dispersions.

1. Properties

Appearance	fine flakes
Chemical character	aluminium hydroxychloride, basic aluminium chloride, $Al_2(OH)_5Cl \cdot 2-3 H_2O$
pH at 20°C, 30% (m/m) aqueous solution	3.8 – 4.2
Solubility	readily soluble in water
Storage stability	at least 2 years.
Ecotoxicological data	see Safety Data Sheet.

2. Delivery specifications

Aluminium oxide	46.0 – 48.0 % (m/m)
Aluminium	24.4 – 25.4 % (m/m)
Chloride	15.8 - 16 % (m/m)
Iron	max. 100 mg/kg

3. Application preparation

67 parts Locron S fla are dissolved in
675 parts hot water of 90-95 ° C
16 parts sodium acetate are then added.

Please stirr this products to a homogenous solution, which is absolutely necessary for the next step.
This solution is pumped without pressure through a high pressure homogenizer.
The wax mixture, molten at 90 °C, consisting of

23 parts Licowax LP 1
194 parts Paraffin 48/50
25 parts Belsil CM 020 2

is than added.

Finally, the dispersion is homogenized 2-3 times at 100-150 bar or higher in the high pressure homogenizer.

1 Clariant GmbH, Div. Pigments & Additives. Sulzbach

2 Wacker AG, Burghausen

4. Application on textile

Depending on kind and density of the fabric as well as the desired effect, corresponding application quantities are recommended:

- Water-repellent finish

5-10 g/l of a 30 % dispersion

- Hydrophobing finish

50-100 g/l of a 30 % dispersion

Pad at room temperature

Liquor pick-up about 70-90 %

Dry for 60 sec. at 100-120 °C

When using resin finish, fix after drying for 90 sec. at about 150 °C

If other finishing agents are also used, preliminary tests should be made regarding compatibility and hydrophobing effect.



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