

TUBINGAL M CONC

Characterization	Microemulsion for the finishing of all kinds of textiles, can be applied by padding or exhaust method
Chemical Structure	Aminofunctional polysiloxane microemulsion
Appearance	Transparent, colourless liquid
Ionic Character	Non-ionic
pH-Value of a 10 % solution	3.5 – 6.5
Specific Weight at 20 °C	Approx. 1.0
Stabilities	<p>TUBINGAL M CONC is stable to hard water and acids in normal industrial concentrations.</p> <p>TUBINGAL M CONC is sensitive to alkalis. Alkaline residues in the fabrics as well as pH-deviations of the water can impair the liquor stability.</p> <p>The product is not sensitive to frost.</p> <p>TUBINGAL M CONC is sensitive to temperatures above 40°C.</p>
Storage	The shelf life of the product is 6 months if stored properly.

Properties

TUBINGAL M CONC is usually applied by padding mangle method. The property profile of TUBINGAL M CONC is as follows:

- natural soft feeling along with good internal softness on all kinds of textiles,
- optimum penetration of the active substances, therefore especially suited for the finishing of OES-yarn articles,
- non yellowing
- can be applied together with low-affinitive optical brighteners,
- additive in the wrinkle free processing,
- improvement of the „wash-and- wear“ effects,
- improved sewability.

Application technique

Diluting instructions

TUBINGAL M CONC can be mixed with cold water in any ratio without problems. Soft, weakly acid water should be preferably used for dilution.

Fields of application

TUBINGAL M CONC imparts a smooth, natural soft handle on all kinds of textiles.

The product is preferable applied by padding method. In case the application is done by exhaust method, we recommend the use of low shearing machinery like wiches or overflow jets etc. We recommend preliminary trials when using the product on critical dyeing machines with high shearing forces (mechanical stress).

Recipe Proposals

The application quantities depend on the material used and the desired effect. The following recipes may serve as a general guideline:

Padding method

10.0 – 30.0 g/l TUBINGAL M CONC

pH around 5 to 5.5 (with acetic acid %60)

Pick up approx. 60-80%

Drying 110-130°C

Wrinkle-free processing

40.0 – 60.0 g/l REAKNITT FF

10.0 – 15.0 g/l Magnesium chloride

10.0 – 20.0 g/l POLYAVIN PEN (Non-ionic HD-polyethylen emulsion)

25.0 – 40.0 g/l TUBINGAL M CONC

0.5 - 1.0 g/l Acetic acid 60%

Pick up approx. 80%

Drying approx. at 120 or 130°C

Curing at 150°C for 4 minutes

(Dry and cure in one step at 170°C for 60 seconds)

Exhaust method (Winch, overflow, rotary washing machine)

1.0 – 4.0 % TUBINGAL M CONC owf

Liquor ratio 1:8 - 1:15

pH 5.5

20 min at 30-40°C

Hydro-extraction

Drying

We reserve the right to modify the product and technical leaflet.

Our department for applied technique is always at your service for further information and advice.

Our technical advice and recommendations given verbally, in writing or by trials are believed to be correct. They are neither binding with regard to possible rights of third parties nor do they exempt you from your task of examining the suitability of our products for the intended use. We cannot accept any responsibility for application and processing methods which are beyond our control.

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