

## Technical Data Sheet

Textile Chemicals

### EBCA SOFT MET CONC 400

Edition 3-2021

AMINO-FUNCTIONAL SILICONE ELASTOMERIC MICRO EMULSION RECOMMENDED FOR THE PERMANENT FINISHING OF SYNTHETIC AND NATURAL FIBRES AND THEIR BLENDS. THE PRODUCT IS ECO – FRIENDLY

#### Typical SPECIFICATIONS

Appearance at 25°C	Clear colorless liquid
Composition	Micro emulsion of amino functional silicone oil.
Ionic nature	Non ionic
Density at 50°C	1.015 kg/l
PH	5.5-6.5
Solubility	Miscible with cold water in all proportions
Compatibility	Compatible with any other auxiliaries.
Active matter content	24.0±1.0%

#### APPLICATIONS

##### (a) Precautions:

- 1- Start with clean mixing tank, delivery lines, pad box and rollers
- 2- Dilute the emulsion with cold water only.
- 3- Do not use a high shear stirrer when making finishing liquor
- 4- The pH must always be below 7 (preferably 5-6) in the pad bath to obtain max softness and help bath stability.
- 5- Be sure that the goods before finishing are rinsed thoroughly and adjust the alkaline fabrics to a weakly acid pH

##### (b) Application rate:

The product is suitable for application by most methods e.g padding and exhaustion

- 1- Padding: 5-20 g/l
  - 2- Exhaustion: 1-3 % based on weight of goods
- To achieve maximum exhaustion the bath pH is adjusted to pH 5-5.5 at 20 – 40°C for 15-20 minutes.

#### SPECIFIC PROPERTIES

EBCA SOFT MET CONC 400 provides a very pleasant surface smoothness. Due to its small particle size, it penetrates deep inside textile fibers to give a soft handle with a typical "inner softness"

EBCA SOFT MET CONC 400 improves tear strength and abrasion resistance.

EBCA SOFT MET CONC 400 improves wash and wear properties.

EBCA SOFT MET CONC 400 improves sewability of finished goods.

EBCA SOFT MET CONC 400 is suitable for white and dyed goods.

EBCA SOFT MET CONC 400 improve stretch and crease recovery of knitted goods.

EBCA SOFT MET CONC 400 can reduce the cost of a finish formulation due to its effectiveness at low application levels.

Excellent durability to washing and dry cleaning.

EBCA SOFT MET CONC 400 HAS NO IMPACT ON ENVIRONMENT.

#### PACKAGING

125, 140, 150 Kgs Plastic Drums or, 1000 Tank.

#### STORAGE

EBCA SOFT MET CONC 400 Stable when stored at normal temperature conditions, shake very well before use for optimum results. When stored correctly, in closed original container EBCA SOFT MET CONC 400 has a shelf life of up to 12 months.

The Technical data ascertained by our quality control laboratory at the time of product release may vary according to the storage time and storage conditions and may deviate from the stated limits.

These suggestions and data based on information we believe to be reliable. They are offered in good faith, but without guarantee, as conditions and methods of use of our products are beyond our control. We recommend that the prospective user determine the suitability of our materials and suggestions before adopting them on a commercial scale.

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