

# POWERSOFT® CF 20

## Silicone Fluid Emulsions, functional

POWERSOFT® CF 20 is a 20% total solids, self-crosslinking, amino functional, elastomeric micro emulsion.

### Properties

POWERSOFT® CF 20 imparts an excellent soft hand on cotton and polycotton substrates. POWERSOFT® CF 20 is medium yellowing and imparts elastomeric properties to fabrics and knit ware. Stretch recovery is greatly improved. Because of the crosslinking nature of the product durability is much better than standard amino softeners.

### Technical data

#### General Characteristics

Property	Condition	Value	Method
pH value (emulsion 5% in water)	-	3.5 - 4.0	WSTM 3008
Appearance	-	Translucent to opaque emulsion with blue cast	WSTM 3043
Active content	-	approx. 14 %	-
Solid content	-	approx. 20 %	WSTM 3364

These figures are only intended as a guide and should not be used in preparing specifications.

All the information provided is in accordance with the present state of our knowledge. Nonetheless, we disclaim any warranty or liability whatsoever and reserve the right, at any time, to effect technical alterations. The information provided, as well as the product's fitness for an intended application, should be checked by the buyer in preliminary trials. Contractual terms and conditions always take precedence. This disclaimer of warranty and liability also applies particularly in foreign countries with respect to third parties' rights.

## Application details

POWERSOFT® CF 20 is particularly suitable as a softener for the impregnation of fibers and textiles. POWERSOFT® CF 20 imparts a very soft, smooth and elastic hand to woven and knitted fabrics. It improves the wash-and-wear properties and the crease recovery angle, sewability and tear strength and reduces abrasion loss. The effects are fast to washing and dry cleaning.

POWERSOFT® CF 20 has little effect on the degree of white when usual application conditions are adhered to. As a rule, no adverse effect on the shade or color fastness properties of colored goods is observed.

## Processing

POWERSOFT® CF 20 gives permanent effects without the addition of a catalyst. Provided no resins are used, specific curing conditions need not be adhered to.

POWERSOFT® CF 20 can be applied by padding but not **by exhaust method in a jet dyeing machine**. As with all products containing silicone, the finishing liquors should not be subjected to high shear, as this might cause instability. High loadings in wet-on-wet applications can cause pad roll build up. Special care should be taken to make sure rolls are cleaned periodically.

200-300 g/l of POWERSOFT® CF 20 are recommended for the pad method to achieve the elastic effect. Less can be used if only softening is needed. The pH of the liquor should not exceed pH 6. It may need to be adjusted with acetic acid.

POWERSOFT® CF 20 can be applied both alone or together with resins and other finishing agents. If POWERSOFT® CF 20 is used together with cross-linking agents and other additives, it should be added, in dilute form, after all the other products. (This applies generally to the processing of all polysiloxanes).

Higher crease recovery angles and lower abrasion values can be obtained in resin finishing by using POWERSOFT® CF 20.

## Typical Formulation

50-300 g/l POWERSOFT® CF 20  
Pad, liquor pick-up about 75%  
Dry at 120-150°C

## Packaging and storage

### Storage

The "Best use before end date" of each batch is shown on the Certificate of Analysis. Storage beyond the date specified on the Certificate of Analysis does not necessarily mean that the product is no longer usable. In this case however, the properties required for the intended use must be checked for quality assurance reasons.

## Safety notes

For specific information regarding safe handling of this material, please refer to the Safety Data Sheet.

## QR Code POWERSOFT® CF 20



**For technical, quality or product safety questions, please contact:**

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