

GGSil HDR 50

Concentrated Hydrophilic Macro Silicone Softener

PROPERTIES:

Non-ionic structure

Excellent solubility in water, It can be diluted by water in any portions

Provide excellent hydrophilic properties

Used for all natural, synthetic fiber mixtures and especially for towels.

Provides very soft, fleecy handle with smooth surface on fabric

Increases tear strength and sew-ability of fabric.

Low foaming, stable to shear forces

Can be over dyed (preliminary trials recommended)

Re-wettable properties is very high.

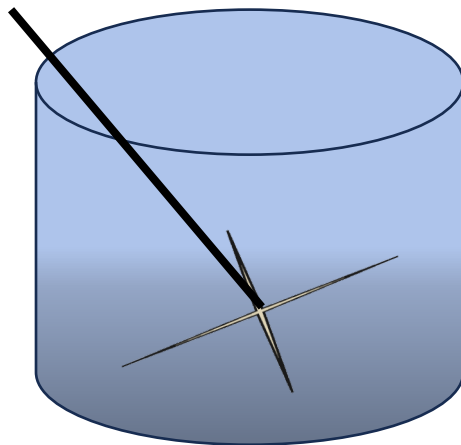
Can provides higher abrasion resistance.

Does not cause yellowing problem at high temperature drying and does not cause colour changes.

Basically compatible with non-ionic, anionic and cationic products; preliminary trials are recommended to test liquor stability.

Dilution Process

- PUT WATER ACCORDING TO DESIRED QUANTITY (30 - 60%)
 - PUT **GGSil HDR 50** (70 - 40 %)
 - RUN MACHINE AT 40 - 60 RPM FOR 15 - 20 MIN
- ADJUST pH TO 5,0 - 5,5 and check ready to use product



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APPLICATION

Padding systems

To modify handle;

GGSil HDR 50 (Diluted) 5 - 15 g/l

Curing/drying at max.170°C, pH: 5 – 5,5 Use Acetic acid for pH adjustment.

Raising agent for WO, WO blends and PES Fleece:

Acetic acid 60% 0,5 - 1 g/l

GGSil HDR 50 (Diluted) 0,5 %

Exhaust systems

GGSil HDR 50 (Diluted)

0,5% – 1,5% owf

at 20 - 40 °C run for 15 - 20'

It is necessary to adjust pH to the 5-5,5

Drying at max.110 - 160°C

During easy care finish an optimized resistance to washing and dry cleaning is achieved by preliminary drying at app. 110°C and subsequent curing at 150 - 170°C for 30 – 60 sec.

Storage	The product sensitive to frost and heat and must not be stored at temperature below 0°C or above 40°C . Irreparable damage is possible. In case of suspected frost or heat damage , the usability of the product has to be checked before processing.
Attention:	The above recommendations are based on comprehensive studies and experience made in practical finishing. They are, however, without liability regarding property rights of third parties and foreign laws. The user should test for himself whether the product and the application are suited for his very special purposes. We are, above all, not liable for fields and methods of application which have not been put down by us in writing. Advice for marking regulations and protective measures can be taken from the respective safety data sheet.
GGChem	Ulas Ergene 2 OSB Mah D100 Cad. No.2 Ergene –Tekirdağ- TÜRKİYE Phone : +90 507 923 9808 Mail: info@ggchemical.net www.ggchemical.net
