

Brilliant solution to common technical problems

حلول ساطعة للمشاكل المتكررة

Finishing :

- USING **GBresin M 70 /ECO** as Crosslinking agent for the finishing of technical textiles. On synthetic fiber material, produces a resilient stiff finish , Washing M 70 will remove any formaldehyd left on the fabric. On viscose will give springy effect .

- You can reduce silicon oil deposition during finishing

لتقليل ترسيب السليكون علي الخامات اثناء التجهيز

Using 1-3 g/l **GBdetergent High Conc/3D**
0.5 g/l **GBcid AS** at PH 6

Also you ensure well penetration of the **GB**silicon used

- **GBsoft NF** Liquid is concentrated economical non ionic softner for white and colored fabric gives excellent softness and no yellowing & no changing of the colors of the fabrics,

- To improve sewability i.e. to prevent bigger stitches holes use

| | |
|---------------------------------|-----------|
| GB polyethylene PEP/conc | 30-50 g/l |
| GB silicon SIE/MM | 20-30 g/l |
| GB ret GB | 30-50g/l |
| GB detergent High Conc | 3 g/l |
| GB cid AS (PH 6) | 1 g/l |

Pick up 70%

Dry - cure 45 Sec./170 °C



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Economical Finishing Recipes

Recipe No. 1 (Smooth handle)

| | |
|-----------------------------------|--|
| GBsilicon SKS Plus/D/Excel/SIE/MM | 20-40 g/l (it can also be used in exhaust e.g. 2%) |
| GBdetergent High Conc./3D | 1-2 g/l |
| GBcid AS (PH 5.5-6) | 1 g/l |

Pick up 70%
Dry - cure 45 Sec./170 °C
Calendaring

Recipe No. 2 (Soft handle) + hydrophilic

GBsilicon SKS NEW/suppra/GB /ME 30 g/l (it can also be used in exhaust e.g. 2 %)
Or GBsoft GB/D(if no silicon is needed)

| | |
|---------------------------|---------|
| GBdetergent High Conc./3D | 1-2 g/l |
| GBcid AS (PH 5.5-6) | 1 g/l |

Pick up 70%
Dry - cure 45 Sec./170 °C
Calendaring

Recipe No. 3 (Smooth & full handle)

| | |
|-------------------------------|---------|
| GBret GB / GBsilicon SKS Plus | 30 g/l |
| GBdetergent High Conc./3D | 1-2 g/l |
| GBcid AS (PH 6) | 1 g/l |

Pick up 70%
Dry - cure 45 Sec./170 °C
Calendaring



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We formulate
German Basic Chemical Products



* using 20 g/l of each of GBsiliconSKS Plus & SKS New & GBret GB & then Calendaring you will get cool touch ,Smooth, Soft & full handle finish !!

*up to date New (economical)finishing tastes :

GBsilicon Supper soft hydrophilic – GBsilicon Excel (smooth)

- Using the following up to date recipe you will get degree of smoothes 3.25 & wash fast finish, reducing pilling & reduce slipping & then (IRON FREE) upon washing....

انعم سطح مع ثبات الخواص وتقليل التفجير والوبرة

30-60 g/l GBresin Eco /FF(for cotton /viscose fabrics)

10-60 g/l GBret GB**

20-40 g/l GBsilicon SIE/MM

20-40 g/l GBsilicon GB/ME

20-30 g/l GBpolyethylene PEP/CONC

15-25 g/l GBdensol FM (for cotton /viscose fabrics)

2 g/l GBdetergent High Conc/3D

X g/l GBcid AS (PH 5.5-6)

- liquor pick-up 70 %
- dry-Curing 45 s / 170
- Calender to get more Smooth & cool touch effect

** **GBret GB** The higher amount the better results and more full handle .
For T-Shirt we recommend starting from 10-20 g/l.
For Pants we recommend starting from 40-60 g/l.

* **Dp (degree of smoothness درجة النعومة) of 3.5-4**

If you do :

After washing in open width washer using
1-3 gm GBdetergent High Conc /3D
5 MIN. 40 DEG.C ,3Xrinsing, then 20 g/l GBsilicon SIE/MM , drying



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Smoothness (AATCC 124)

BASF
The Chemical Company

Appearance of fabrics after laundering

1 2 3 **3,5** 4 5

Easy-care, easy-to-iron:
Non-iron:

note < 3,25
note > 3,25

tumble dry (td):

washing, centrifuging,
tumbling

machine dry (md):

washing, centrifuging,
drying (clothesline)



Smoothness (AATCC 124)

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