

WATERPROOF AGENT C6303

FLUORO CARBON BASED W/R, O/R & S/R AGENT (DURABLE TYPE) ENVIRONMENT-FRIENDLY PRODUCT (PFOA / PFOS / APEO FREE)

NEOGUARD C6303 doesn't contain PFOA(Perfluorooctanoic acid) inducing endocrine disrupting chemicals. It doesn't have inflammability, volatility. It is a environment- friendly fluoro carbon base water/oil repellent.

NEOGUARD C6303 can be used for fabrics, non woven fabric, paper, and synthetic leather.

NEOGUARD C6303 is specially effective to cellulosic fabrics, especially cotton, polyester, Rayon and their blends, Nylon, Acryl, P/C, P/NP, and Spandex by usage of small quantity.

<PHYSICAL PROPERTIES>

Appearance	:	Milky emulsion	Effective component	:	Standard - 30% ± 1
Ionic nature	:	Slightly cation			
pH	:	4 ± 2			
Solubility	:	Easily in water			

<CHARACTERISTIC>

1. C6303 is PFOA / PFOS / APEO free.
2. C6303 is a environment-friendly product.
3. C6303 is suitable water repellent agent for cellulosic fabrics, especially cotton, polyester, Rayon and their blends, Nylon, Acryl, P/C, P/NP, and Spandex by usage of small quantity.
4. C6303 has a good Internal bond strength with coating resin (PU, Acryl)
C6303 has a good compatibility with other auxiliaries because of slightly cationic
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6. C6303 maintains stable emulsion by good physical stability to mechanical condition as high temperature, high pressure and high speed etc.
7. C6303 also has wide pH stable range but weak acid helpful for absorbance.
8. C6303 has not trouble caused by gum-up, separation, break of emulsion.

<TREATING METHOD>

1. C6303 can be diluted with water and treating process is

Padding	}	--> Dry --> Cure
Spray		
Foam spread		

* Adjust of bath(In the case of mixing with penetrating agent, resin and other finishing agent)

- 1) Put water in bath by 50% of total solution.
- 2) Agitate enough after put a other chemicals according to maker's recommendation.
- 3) Add C6303 to prepared bath and agitate slowly.

* Adjust of bath(In the case of mixing with penetrating agent, resin and other finishing agent)

- 4) Put water in bath by 50% of total solution.
- 5) Agitate enough after put a other chemicals according to maker's recommendation.
- 6) Add C6303 to prepared bath and agitate slowly.

<APPLICATION>

Fabric	Padding	Tentering
Cotton	50-70 g/l	160°C X 120sec
Polyester	40-60 g/l	160°C X 60sec
Nylon	40-60 g/l	170°C X 60sec
Acryl	40-60 g/l	170°C X 60sec
P/C(=T/C)	40-60 g/l	160°C X 90sec
PNP	40-60 g/l	160°C X 90sec
P/U(Spandex)	40-60 g/l	150°C X 120sec

※ Prescription processing (for washing durability processing)

- C6303 (Water repellent) 100pt + WC-800 (Catalyst) 10pt

<PREPARATION FOR FINISHING>

1. Fabrics

- 1) Remove impurities by pre-treatment procedure. Alkali, spinning oil, sizing agent and other surfactant are bad influenced to repellency.
- 2) After dyeing, remove completely a surfactant as levelling agent, dispersing agent and penetrating agent, etc.
Reasonable pH condition is 5-6 and avoid from alkaline solution, it can be the factor of Gum-up and low water repellency.

2. Bath

- 1) Put water in bath by 50% of needed solution
- 2) Put resin, softener and etc according to the quantity consumed

Put reasonable amount of C6303 and check the bath condition (pH, stability). If pH condition is exceed 7.0, add acid. Stability is problem, add IPA.

<OTHERS>

1. Avoid from mixing with anionic auxiliaries.
2. Fixing agent of reactive dyes can be influenced to water repellency.
3. Best repellency effect is needed proper repellent agent and catalyst.
4. Treatment with antipastic agent is needed careful consideration.
5. Remove floating matters in bath or some over-flow is better.
8. When bath color is changed by dyes come out from fabric, bath cleaning is needed.
9. Small size and auto-feeding bath is reasonable for W/R finish because it is effective to prevent ending or tailing.

<STORAGE AND HANDLING>

1. Store in -5°C ~ 40°C. Avoid from direct fire and light.
2. Close a cover fasten.
3. Low toxic but prohibit contact with the skin, eyes, inhalation and swallowing.

<OTHER INFORMATION>

Don't eat this product and further detail contents is in MSDS.

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The above information and data are for reference only. Customers should do laboratory samples in advance to determine the specific process and dosage. The company only to product specifications, quality consistency to guarantee. Customers due to the addition of other additives, or due to process and fabric losses, the company is not responsible.