

ADI-REPEL FC-O

NON-Fluorocarbon Water Repellent

ADI-REPEL FC-O doesn't contain PFCs (Per fluorinated compounds) of hazardous substances. It is environment-friendly non fluoro carbon-based water repellent.

ADI-REPEL FC-O has excellent water repellency and washing durability compared to wax-based water repellent and silicon-based water repellent.

ADI-REPEL FC-O is especially effective to cellulose fabrics and their blended fabrics.

ADI-REPEL FC-O can be used under low-temp (150°C). But as temp is go up, it is more effective.

Characteristic

- ADI-REPEL FC-O is PFCs (Per fluorinated compounds) free.
- ADI-REPEL FC-O is an Eco-friendly non fluoro carbon-based water repellent.
- ADI-REPEL FC-O has good mechanical stability.
- ADI-REPEL FC-O maintains stable emulsion by good physical stability to
- mechanical condition as high temperature, high pressure and high speed etc.
- ADI-REPEL FC-O has not trouble caused by gum-up, separation, break of emulsion.

Properties

Chemical composition:	Formaldehyde free
Ionic character	Slightly cation
Physical form:	Milky white emulsion
pH	4 ± 1
Solubility	Easily in cold water
Effective component	Approx. 24 %
Storage stability:	ADI-REPEL FC-O is recommended to store at should be stored at Temperatures between -5°C ~ 40°C. Avoid from direct fire and light.

Application

1. Treating method

ADI-REPEL FC-O can be diluted with water and treating process is

- Padding
- Spray --> Dry --> Cure
- 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 other chemicals according to maker's recommendation.
- 3) Add ADI-REPEL FC-O to prepared bath and agitate slowly.

Fabric	Padding	Tentering (stenter)
P/C	40-60 g/l	160°C x 90sec
N/PC, N/C	40-80 g/l	170°C x 90sec
C/N	60-80 g/l	170°C x 90sec
COTTON	60-100 g/l	160°C x 120sec