

# ADI-REPEL F-C6

## Fluorocarbon Water Repellent

ADI-REPEL F-C6 is a C6 chemistry-based fluorocarbon which can impart durable water and oil repellency with soft hand to synthetic fibers like nylon and polyester and to natural fibers like cotton.

ADI-REPEL F-C6 also has the advantage of good mechanical stability and good compatibility with a variety of textile treating agents. These characteristics make treating operation easy because of less gumming-up and less scum when padding.

### Benefits

- Make the fabric water resistant completely and partially
- Also repel oily substance

### Properties

<b>Chemical composition:</b>	<b>Organic phosphonate</b>
<b>Ionic character</b>	<b>Weakly cationic</b>
<b>Physical form:</b>	<b>White translucent emulsion</b>
<b>Storage stability:</b>	<b>ADI-REPEL F-C6 is recommended to store at should be stored at Temperatures between 5°C and 45°C the products stored in sealed container at recommended level will maintain 90% activity.</b>

### Application

- 1) **General water and oil repellant finish**  
 Treating condition:  
 Pad – dry: 100° C for 60sec  
 Cure: 170° C for 30sec  
 Pick up: PET tropical 80% Cotton broad 65%  
 Dosages: 1% to 2% depending on requirements of water/oil repellency.
- 2) **Durable water and oil repellant**  
 Finish treating condition:  
 Pad-dry 110°C for 60sec  
 Cure 170°C for 30sec  
 Dosages: 5% to 8% depending on requirement of repellency for nylon & cotton materials.
- 3) **Mechanical Stability**  
 2% - **ADI-REPEL F-C6** bath is stable to contamination of 0.01% acid dye. 0.01% fixing agent.