

## Technical Data Sheet

### Qualix-RPL (C6 Chemistry)

Qualix RPL is a Fluorocarbon free waterproofing agent for cellulosic and synthetic fabrics and their blend. Qualix RPL can also be used as an extender in combination with fluorocarbon finishes.

#### Properties

|                   |   |                                                                        |
|-------------------|---|------------------------------------------------------------------------|
| Appearance        | : | White Emulsion                                                         |
| Main Ingredient   | : | fatty acid derivative modified with a melamine containing paraffin wax |
| Ionic Character   | : | cationic                                                               |
| Solid Content     | : | 20%                                                                    |
| pH                | : | 3.0-4.5                                                                |
| Solubility        | : | Soluble                                                                |
| Viscosity         | : | 100cps                                                                 |
| Stability         | : | Stable for 12 month, if stored currently                               |
| Storage Condition | : | Store in well sealed container between 5 and 35°C                      |

#### Characteristics

1. Fluorocarbon free water repellent finish
2. Imparts water repellence that is durable to washing but not durable to dry cleaning
3. Stable to acid but not alkali
4. Easily diluted in cold water
5. Can be used as an extender for fluorocarbon finishes.

#### Applications

|                          |                     |                       |
|--------------------------|---------------------|-----------------------|
| In Padding (Cellulosic): | Qualix RPL          | 30-100g/l             |
|                          | Acetic Acid         | 1 cc/l                |
|                          | Aluminium Sulphate* | 2-5 g/l               |
|                          | Drying              | 100 °C for 1 min      |
|                          | Curing (low temp)   | 140 °C for 2 min      |
|                          | Curing (high temp)  | 180 °C for 45 seconds |
| In Padding (Synthetic):  | Qualix RPL          | 30-60 g/l             |
|                          | Acetic Acid         | 1 cc/l                |
|                          | Aluminium Sulphate* | 2-3 g/l               |
|                          | Drying              | 100 °C for 1 min      |
|                          | Curing (low temp)   | 140°C for 2 min       |
|                          | Curing (high temp)  | 180°C for 45 seconds  |

\* Optional use as a catalyst to give slight boost to performance.

## Quality Chem

*Manufacturer, Importers & Exporters*

-----ISO 9001:2000 Certified Company-----

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