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## ARRISTAN RKC

### Characterization

Cationic emulsion containing silicone for finishing of textile fabric

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#### Chemical Structure

Silicone-containing cationic emulsion

#### Appearance

White liquid

#### pH Value (at 20 °C)

5.0 – 7.0

#### Ionic character

Cationic

#### Specific weight at 20 °C

Approx. 1.0

#### Stabilities

ARRISTAN RKC is stable to hardening agents of water as well as acids and magnesium chloride.

ARRISTAN RKC is sensitive to slightly alkaline water and all forms of alkali.

ARRISTAN RKC is sensitive to temperatures above 40 °C.

The product is very sensitive to frost; temperatures around the freezing point cause irreversible changes.

#### Storage

The product will hold for at least 6 months if stored properly in original containers.

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## Properties

ARRISTAN RKC is a proper softener for color darkening finishing of textiles. The following properties stand out for this product:

- ◆ color darkening properties in all fabrics, especially in dark colored fabrics such as black,
- ◆ ensures soft handling,
- ◆ good washing stabilities,
- ◆ improves the "wash-and-wear" effect in resin finishing,
- ◆ improves the sewability,
- ◆ can be used with nonionic and cationic finishing products, not compatible with anionic products,
- ◆ suitable with the padding machine.

## Application technique

### Diluting instructions

ARRISTAN RKC can be diluted in any ratio with cold water; if it will be used with alkaline water, should be adjusted with acetic acid to pH 5.0 - 6.0.

### Fields of application

ARRISTAN RKC is mainly applied for the padding method. As a rule, the textile product should be subjected to effective washing, rinsing, and souring after the previous finishing treatments. Otherwise, residues such as sizing wastes and anionic substances on the product may impair the finishing bath stability.

### As a color darkening finishing agent

#### Recipe Proposals

##### Padding application

50.0 – 120.0 g/l    ARRISTAN RKC

pH 5.0 – 6.0, preferably adjusted with acetic acid

Liquor pick-up: approx. 70 – 80 %

Drying temperature: 140 – 150 °C

Resin finishing of CO shirt fabrics

##### Padding application

40 – 50 g/l	REKNITT TW
10 – 20 g/l	POLYAVIN PEN A
20 – 30 g/l	ARRISTAN RKC
10 – 20 g/l	TUBINGAL KE

pH value            4.5 (acidic)

Liquor pick-up:    60 – 80 %

Drying/fixation    1 min at 170 °C

Compatibility tests must be done before when used with other finishing materials.

**We reserve the right to modify the product and technical leaflet.**

**Our department for applied technique is always at your service for further information and advice.**

Our technical advice and recommendations given verbally, in writing or by trials are believed to be correct. They are neither binding with regard to possible rights of third parties nor do they exempt you from your task of examining the suitability of our products for the intended use. We cannot accept any responsibility for application and processing methods which are beyond our control.

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