



## ® RUCO-GUARD AIR6

### COMPOSITION

C<sub>6</sub> fluorocarbon polymer, cationic  
Free of perfluorooctanoic acid (PFOA\*), perfluorooctane sulfonic acid (PFOS\*) and  
alkylphenol ethoxylate (APEO)

### USES

Ecologically optimised agent for the water, oil and soil-repellent finishing of all fibre types at  
room temperature.

### PROPERTIES

- Confers resistance to aqueous and oily soil
- No temperature treatment necessary
- Limited resistance to washing and dry cleaning
- Excellent running properties
- Good storability
- Not flammable
- Free of flammable solvents

### TECHNICAL DATA

- Beige emulsion
- Specific gravit at 20 °C 1.07 g/cm<sup>3</sup>
- pH value 4 – 5.5

### APPLICATION

**RUCO-GUARD AIR6** is diluted with water and applied from suitable ranges for pad, spray  
and foam application, washing machine etc.

2 - 6 % **RUCO-GUARD AIR6**  
0.5 ml/l acetic acid 60 %

dry at room temperature

#### Pad process

Water-repellency treatment at low drying temperatures (non-permanent)

20 - 60 g/l **RUCO-GUARD AIR6**  
0.5 ml/l acetic acid 60 %

dry 80 – 100 °C

Water repellency treatment at low drying temperatures (permanent)

20 - 60 g/l **RUCO-GUARD AIR6**  
5 - 10 g/l **RUCO-LINK WEB**  
0.5 ml/l acetic acid 60 %

dry 120 - 140 °C

**RUCO-GUARD AIR6** is water, soil and oil-repellent when dried at room temperature. These  
properties will be additionally improved by a warm treatment after drying.

When drying in the open air, only a low wash permanence is obtained. Only the application of suitable quantities of boosters, e.g. **RUCO-LINK WEB** and a condensation process confer wash-permanent, water and oil-repellent properties.

If boosters are used, select curing conditions which will ensure the article is fully cured, ready for further processing.

### **In case of penetration problems**

In case of penetration problems we recommend to add

10 - 20 g/l **RUCOWET FN**

to the finishing liquor to ensure a good and uniform liquor pick-up. The wetting agent has to be added before the other liquor components.

### **Exhaust method**

Finishing of ready-to-wear articles in drum scouring machine

Last rinsing bath 2 - 6 % **RUCO-GUARD AIR6**

liquor ratio 5:1 - 8:1  
pH value 4.5 (acetic acid)  
temperature 40 °C  
time 10 min  
drain

## **INFORMATION ON SPRAYING APPLICATION**

During the spraying of textile auxiliaries aerosols arise. They may be a potential danger for man. Therefore spray in closed installations only, or else discharge optimally and provide for good room ventilation to avoid spreading of the aerosols in the work environment. Do not breathe in aerosols!

## **STORAGE**

If stored below 0 °C, the product may solidify and/or change its consistency. After heating to 20 – 25 °C and thorough mixing, the product can be used again without any problems. The product is sensitive to heat and must not be stored at temperatures above 40 °C. Irreparable damage is possible. If stored too warm, the usability of the product has to be checked before processing.

## **ATTENTION**

The above recommendations are based on comprehensive studies and experience made in practical finishing. They are, however, without liability regarding property rights of third parties and foreign laws. The user should test for himself whether the product and the application are suited for his very special purposes.

We are, above all, not liable for fields and methods of application which have not been put down by us in writing.

Advice for marking regulations and protective measures can be taken from the respective safety data sheet.

\*) For producing fluorocarbon polymers, RUDOLF GmbH uses monomers from a process in which, as intended, no perfluorooctanesulphonic acid (PFOS) arises as a by-product.

No PFOA-containing products are used for manufacturing **RUCO-GUARD AIR6**. However, as mobile fluorine compounds have been used for years, PFOA, PFOS and other PFTs are ubiquitous and detectable.

Please visit

<http://www.rudolf.de/en/ecology/information-on-pfos-and-pfoa>  
for further information.