



## TECHNICAL DATA SHEET

**PennWhite Cansoft AR960** is a non-ionic, microemulsion of an amino functional polysiloxane .

### APPLICATION

PennWhite Cansoft AR960 is particularly suitable as softener for the impregnation of fibers and textiles, it imparts a very soft, smooth and elastic handle to woven and knitted fabrics. PennWhite Cansoft AR960 improves the wash-and-wear properties and the crease resistance, sewability and tear strength. The effects are not degraded by washing or dry cleaning.

### PRODUCT DATA

Appearance	Translucent micro-emulsion
Solids Content	23 - 27%
Active Substance	Amino-functional Polysiloxane
pH value	4.5 – 5.5
Ionic Character	Non-ionic

### PROCESSING

PennWhite Cansoft AR960 will give permanent effects even without the addition of a catalyst. It can be applied either by padding or by the exhaust method. PennWhite Cansoft AR960 should be used at between 5 – 30 g/l for the padding method. For the exhaust method 1-3%, relative to the weight of goods, is adequate and the treatment should be carried out at 40-50°C for 15-20 minutes. The pH of the liquor should not exceed pH 5. If necessary it may need to be adjusted with acetic acid.

PennWhite Cansoft AR960 can be applied either alone, or together with resins and other finishing agents. If PennWhite Cansoft AR960 is used together with crosslinking agents and other additives, it should be added, in a diluted form, after all the other products.

Better crease recovery and lower abrasion values can be obtained in resin finishing by using PennWhite Cansoft AR960. A wide range of handles can be obtained by combining PennWhite Cansoft AR960 with conventional softening agents and other additives such as fillers based on polyacrylate.

### SUGGESTED FORMULATIONS

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### **Woven and knitted materials from synthetic fibres**

0.5 ml/l acetic acid 60%  
10-30 g/l PennWhite Cansoft AR960  
pad, liquor pick-up about 50%  
dry at 120-150°C

### **Single jersey or interlock cotton fabrics (exhaust method)**

0.5 ml/l acetic acid 60%  
2-4 g/l PennWhite Cansoft AR960  
10-30 minutes at 30-40°C  
without rinsing, dry at 100-150°C

### **STORAGE STABILITY**

At least 6 months if properly stored ( i.e protected against heat, e.g. direct sun and frost).

### **SAFE HANDLING PROCEDURES**

Safe handling procedures for this product can be found in the MSDS for this material which is supplied upon request.

Information given in this publication is based upon technical data gained in our own and other Laboratories and is believed to be true.  
However if the material is used in conditions beyond our control we can assume no liability for results obtained or damages incurred through the application of the data present herein.

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