



TECHNICAL DATA SHEET

PennWhite Cansoft AR340 is a non-ionic, microemulsion of an amino functional polysiloxane .

APPLICATION

PennWhite Cansoft AR340 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 AR340 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	48 - 52%
Active Substance	Amino-functional Polysiloxane
pH value	5.5 – 6.5
Ionic Character	Non-ionic

PROCESSING

PennWhite Cansoft AR340 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 AR340 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 AR340 can be applied either alone, or together with resins and other finishing agents. If PennWhite Cansoft AR340 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 AR340. A wide range of handles can be obtained by combining PennWhite Cansoft AR340 with conventional softening agents and other additives.

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 AR340
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 AR340
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.

Penn-White Ltd.

Radnor Park Trading Estate, Back Lne, Congleton, Cheshire. CW12 4XJ.
Telephone 44 (0) 1260 279635 Fax 44 (0)1260 298920 Email info@pennwhite.co.uk
www.pennwhite.co.uk