

WACKER® FINISH CT 96 E

Functional Silicone Fluids

WACKER® FINISH CT 96 E is a nonionic micro emulsion of a reactive, aminofunctional silicone fluid.

Properties

WACKER® FINISH CT 96 E is particularly suitable as softener for the impregnation of fibers and textiles.

WACKER® FINISH CT 96 E imparts a very soft, smooth and elastic touch to woven and knitted fabrics. WACKER® FINISH CT 96 E is considered to be the best softening agent for knitware made of cotton/PES blends. WACKER® FINISH CT 96 E improves the wash-and -wear properties and the crease recovery angle, sewability and tear strength and reduces abrasion loss. The effects are fast to washing and dry cleaning.

WACKER® FINISH CT 96 E has very little effect on the degree of whiteness. Generally, no adverse effect on the shade or colour fastness properties of coloured goods is observed.

For Leather WACKER® FINISH CT 96 E is used as a hand modifying additive providing a pleasant, soft-soap hand.

WACKER® FINISH CT 96 E is mainly used in the treatment of leather for cloth and furniture.

Specific features

- Emulsions
- Low VOC
- Soft hand

Technical data

General Characteristics

Property	Condition	Value	Method
Solid content	-	approx. 25 %	Microwave oven
pH value	-	approx. 5	-
Appearance	-	clear, opaque	-
Ionogenicity	-	nonionic	-

These figures are only intended as a guide and should not be used in preparing specifications.

All the information provided is in accordance with the present state of our knowledge. Nonetheless, we disclaim any warranty or liability whatsoever and reserve the right, at any time, to effect technical alterations. The information provided, as well as the product's fitness for an intended application, should be checked by the buyer in preliminary trials. Contractual terms and conditions always take precedence. This disclaimer of warranty and liability also applies particularly in foreign countries with respect to third parties' rights.

Applications

- Softeners & Hydrophilic Softeners
- Textile & Leather
- Textile Finishing
- Textiles & Leather

Application details

Processing:

WACKER® FINISH CT 96 E gives permanent effects even without the addition of a catalyst. Specific curing conditions need not be adhered to if no resins are used.

WACKER® FINISH CT 96 E can be applied either by padding or by the exhaust method but, as with all products containing silicone, the finishing liquors should not be subjected to high shear, as this might cause instability. 5 - 30 g/l WACKER® FINISH CT 96 E are recommended for the pad method. For the exhaust method 1 - 3 %, relative to the weight of goods are 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. It may need to be adjusted with acetic acid.

WACKER® FINISH CT 96 E can be applied either alone or together with resins and other finishing agents.

WACKER® FINISH CT 96 E is used together with crosslinking agents and other additives, it should be added, in dilute form, after all the other products. (This recommendation applies generally to the processing of all polysiloxanes).

Higher crease recovery angles and lower abrasion values can be obtained in resin finishes by using WACKER® FINISH CT 96 E. A wide range of soft touch nuances can be obtained by combining WACKER® FINISH CT 96 E with conventional softening agents and other additives.

For leather WACKER® FINISH CT 96 E can both be used in the wet-end processing and in pure water-based finishing systems.

Due to possible compatibility problems pre-tests are necessary if the cationic aminosilicone component is mixed with anionic greasing additives.

Suitable concentrations should be adjusted to 0.5 % on weight of Crust.

Guide formulation for woven and knitted materials from synthetic fibres:

0.5 ml/l acetic acid 60 %
10-30 g/l WACKER® FINISH CT 96 E
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 WACKER® FINISH CT 96 E
10-30 minutes at 30-40°C without rinsing, hydroextract dry at 100-150°C

Packaging and storage

Packaging

- 0,5 kg bottle
- 140 kg drum
- 940 kg IBC

Storage

The 'Best use before end' date of each batch is shown on the product label.
Storage beyond the date specified on the label does not necessarily mean that the product is no longer usable. In this case however, the properties required for the intended use must be checked for quality assurance reasons.
Emulsions showing signs of creaming should be agitated before use to assure uniform consistency.

Safety notes

Comprehensive instructions are given in the corresponding Material Safety Data Sheets. They are available on request from WACKER subsidiaries or may be printed via WACKER web site <http://www.wacker.com>.

QR Code WACKER® FINISH CT 96 E



For technical, quality or product safety questions, please contact:

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