

WACKER® FINISH CT 45 E

Silicone Fluid Emulsions, functional

WACKER® FINISH CT 45 E is a nonionic macro emulsion of a reactive, aminofunctional silicone fluid.

Properties

WACKER® FINISH CT 45 E is particularly suitable as softener for the impregnation of fibers and textiles.

WACKER® FINISH CT 45 E imparts a very soft, drapable and elastic touch to woven and knitted fabrics.

WACKER® FINISH CT 45 E is considered to be one of the best softening agents for PES/cotton fabrics.

WACKER® FINISH CT 45 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 45 E has very little effect on the degree of whiteness under usual application conditions. Generally, no adverse effect on the shade or color fastness properties of coloured goods is observed.

As part of formulations used as fill fiber finish WACKER® FINISH CT 45 E imparts excellent slickness and resilience to the fiber.

Specific features

- Emulsions

Technical data

General Characteristics

Property	Condition	Value	Method
pH	-	approx. 5	-
Solid content	-	approx. 40 %	Microwave oven
Appearance	-	milky, white	-
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

Application details

Processing:

WACKER® FINISH CT 45 E provides permanent effects even without the addition of a catalyst. No specific curing conditions are required if no resins are used.

WACKER® FINISH CT 45 E can be applied by padding method, but the finishing liquors should not be exposed to high shear forces as this might cause instability.

5-30 g/l WACKER® FINISH CT 45 E are recommended for padding application.

WACKER® FINISH CT 45 E can be applied either alone or together with resins and other finishing agents.

Higher crease recovery angles and lower abrasion values can be obtained in resin finishes by using WACKER® FINISH CT 45 E. A wide range of fabric touches can be obtained by combining WACKER® FINISH CT 45 E with conventional softening agents and other additives such as fillers based on polyacrylate.

Typical recipe for woven and knitted materials from synthetic fibres:

0.5 ml/l acetic acid 60 %

10-30 g/l WACKER® FINISH CT 45 E

pad, liquor pick-up about 50 %, dry at about 130 °C

Packaging and storage

Packaging

- 0.5 kg bottle
- 50 kg drum
- 200 kg drum
- 950 kg IBC

Storage

The "Best use before end" date of each batch is shown on the product label.

Emulsions showing signs of creaming should be agitated before use to assure uniform consistency.

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.

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 45 E



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

Wacker Chemie AG, Hanns-Seidel-Platz 4, 81737 Munich, Germany
productinformation@wacker.com, www.wacker.com

The data presented in this medium are in accordance with the present state of our knowledge but do not absolve the user from carefully checking all supplies immediately on receipt. We reserve the right to alter product constants within the scope of technical progress or new developments. The recommendations made in this medium should be checked by preliminary trials because of conditions during processing over which we have no control, especially where other companies' raw materials are also being used. The information provided by us does not absolve the user from the obligation of investigating the possibility of infringement of third parties' rights and, if necessary, clarifying the position. Recommendations for use do not constitute a warranty, either express or implied, of the fitness or suitability of the product for a particular purpose.