

WACKER® AF 23

Functional Silicone Fluids

A general purpose, high molecular weight reactive aminoethylaminopropyl fluid. Imparts a very soft hand with normal yellowing characteristics associated with amino silicones.

Technical data

General Characteristics

Property	Condition	Value	Method
Amine number/Amine Value	-	approx. 0.30/17	-
Appearance	-	clear liquid	-
Non volatile	-	> 95 %	-
Viscosity, dynamic	-	3000 - 6000 mPa·s	-

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.

Application details

WACKER® AF 23 can be applied neat, from solution, or emulsion. Suitable solvents are aliphatic and aromatic hydrocarbons, chlorinated hydrocarbons, esters, higher alcohols, and ketones. Most textile processes are water based. Hence WACKER® AF 23 is mainly applied from emulsion. WACKER® AF 23 is suitable for the formulation of micro emulsions and macro emulsions. Emulsions made with WACKER® AF 23 are diluted to the optimum concentration for the specific fabric. Application can be done by padding or exhaustion. WACKER® AF 23 can be utilized as the active substance in softener emulsions or in combination with other components, e.g. paraffin waxes, organic softeners, etc. Compatibility of the components has to be checked in each individual case. WACKER® AF 23 is particularly suitable as an active substance in softener formulations for the impregnation of fibers and textiles. <(><<>)productname> imparts a very soft, drapable, and elastic handle to woven and knitted fabrics. WACKER® AF 23 is considered to be the best softening agent for cotton woven and knit fabrics made of cotton or cotton/PES blends. WACKER® AF 23 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® AF 23 has very little effect on the degree of white in a softener formulation when usual application conditions are adhered to. As a rule, no adverse effect on the shade or color fastness properties of colored goods is observed. As part of formulations used as fill fiber finish WACKER® AF 23 imparts excellent slickness and resilience to the fiber.

Processing

WACKER® AF 23 can be applied neat, from solution, or emulsion. Suitable solvents are aliphatic and aromatic hydrocarbons, chlorinated hydrocarbons, esters, higher alcohols, and ketones. Most textile processes are water based. Hence WACKER® AF 23 is mainly applied from emulsion. WACKER® AF 23 is suitable for the formulation of micro emulsions and macro emulsions. Emulsions made with WACKER® AF 23 are diluted to the optimum concentration for the specific fabric. Application can be done by padding or exhaustion. WACKER® AF 23 can be utilized as the active substance in softener emulsions or in combination with other components, e.g. paraffin waxes, organic softeners, etc. Compatibility of the components has to be checked in each individual case.

Packaging and storage

Storage

The "Best use before end date" of each batch is shown on the Certificate of Analysis. Storage beyond the date specified on the Certificate of Analysis 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

For specific information regarding safe handling of this material, please refer to the Safety Data Sheet.

QR Code WACKER® AF 23



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

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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.