

WACKER® AF 2170

Silicone Fluid Emulsions

WACKER® AF 2170 is 70% active concentrated modified amino silicone that is water dilutable. WACKER® AF 2170 is designed to impart an extremely soft, supple hand without the associated yellowing. WACKER® AF 2170 has good hydrophilicity. The premier silicone emulsion in the textile industry. Made with AF-21 Fluid.

Technical data

General Characteristics

Property	Condition	Value	Method
pH	-	4 - 6	-
Appearance	-	clear, high viscous liquid	-
Ionic character	-	nonionic	-
Solid content (Micro-wave Oven)	-	70 %	-

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

Dilutions of WACKER® AF 2170 give permanent effects even without the addition of a catalyst. Provided no resins are used, specific curing conditions need not be adhered to.

Processing

Dilutions of WACKER® AF 2170 give permanent effects even without the addition of a catalyst. Provided no resins are used, specific curing conditions need not be adhered to. Dilutions of WACKER® AF 2170 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. 3-10 g/l of WACKER® AF 2170 diluted to 20 - 30% solids are recommended for the pad method. For the exhaust method 0.5-2%, 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. Dilutions of WACKER® AF 2170 can be applied both alone or together with resins and other finishing agents. If dilutions of WACKER® AF 2170 are used together with cross-linking agents and other additives, it should be added, in dilute form, after all the other products. (This applies generally to the processing of all polysiloxanes). Higher crease recovery angles and lower abrasion values can be obtained in resin finishing by using dilutions of AF 2170 **SMP, 1KG. A wide range of hands can be obtained by combining WACKER® AF 2170 with conventional softening agents and other additives such as fillers based on polyacrylate.**

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 2170



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.