

# POWERSOFT® PE 280



## Silicone Fluid Emulsions, functional

POWERSOFT® PE 280 is a composition containing a selfdispersing aminofunctional silicone fluid.

### Properties

POWERSOFT® PE 280 is a cationic silicone softener specifically developed for exhaust application. It can be used for common fibers, such as cottons, polyester, polyamides and mixtures.

In comparison to usual silicone based softeners, POWERSOFT® PE 280 shows excellent stability in the presence of alkali, salt and high shearing conditions.

### Specific features

- Dilutable with water
- Easy to use
- Emulsions
- High alkali-resistant
- Ready to use
- Water-based

## Technical data

### General Characteristics

Property	Condition	Value	Method
pH value	-	4.5 - 5	-
Appearance	-	clear to slightly yellowish	-
Solid content	-	approx. 25 %	-

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

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

## Application details

Thanks to the optimized formulation and the unique molecular structure of the polymers, POWERSOFT® PE 280 can be applied via different padding or exhaust textile machines - without causing stability problems as well-known from standard silicone softeners.

Fabrics and knits treated with POWERSOFT® PE 280 can generally be overdyed, but preliminary trials are recommended.

### Processing:

The application of POWERSOFT® PE 280 takes place after the soaping and rinsing of the dyed fabric. It can be combined with cationic after-treatment auxiliaries for dyes improving color fastness - carried out at room temperature.

Acidic conditions should be maintained throughout the treatment by addition of acetic acid to the pad/exhaust bath in order to ensure optimized performance results – best controlled with either a suitable excess of acetic acid or an adequate buffering system. For completely uniform distribution, addition in several portions is recommended.

Due to the cationic nature of POWERSOFT® PE 280, combinations with anionic auxiliaries such as optical brighteners in one pad bath could lead to coagulation of the components. Before using POWERSOFT® PE 280 with other auxiliaries in the same pad or exhaust bath, compatibility tests are necessary.

For exhaust applications, using 2 - 4 % based on the weight of the fabric is recommended. Padding applications require approx. 20 – 30 g/l of POWERSOFT® PE 280.

## Packaging and storage

### Packaging

- 0,5 kg bottle
- 140 kg drum
- 950 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.

## 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 POWERSOFT® PE 280



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

**Wacker Chemie AG**, Hanns-Seidel-Platz 4, 81737 Munich, Germany  
[info@wacker.com](mailto:info@wacker.com), [www.wacker.com](http://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.