

WACKER® JSD 50E

Silicone Antifoam Concentrates

WACKER® JSD 50E is a 50% solids, premier, Jet Stable, "Free Rinsing", silicone defoamer emulsion concentrate formulated to permit the user flexibility and economics in use that is effective in a wide range of industrial applications. WACKER® JSD 50E is based on a high molecular weight polysiloxane and silica technology. It is safe to use in high alkaline and high temperature textile applications. WACKER® JSD 50E has excellent foam knockdown.

Technical data

General Characteristics

Property	Condition	Value	Method
Appearance	-	Milky-white liquid	WSTM 3043
Ionic character	-	Nonionic	-
Solid content	-	approx. 50 %	-
Viscosity, dynamic	25 °C	800 - 2500 cP	WSTM 3342
pH value	-	7 - 10	WSTM 3008

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

- Antifoams for Textile Finishing

Application details

WACKER® JSD 50E has proved ideal for tackling foam in textile auxiliaries and processes (such as dyeing), and incorporation into surfactant formulations as well as many industrial applications. Its versatility as a processing auxiliary is valued throughout the chemical industry. WACKER® JSD 50E is recommended for many industrial applications including, foam control in bleach and scour baths, in beck, jet or package dyeing, and in finish formulations.

Dilution Procedure:

5% Active

Thickener Premix 44.00%

(To viscosity of 500-800 cst)

(CMC or Kelzan is recommended)

WACKER® JSD 50E 10.00%

Water 46.00%

Procedure:

1. Charge thickener premix (Enough thickener should be used to reach a minimum viscosity of 500 cst for optimum stability).
2. Slowly charge WACKER® JSD 50E (it is recommended to stir WACKER® JSD 50E before use) while mixing on slow without any shearing. Propeller mixer is adequate.
3. Charge water. Let mix for 10 minutes. Avoid over mixing.

Processing

Dilution Procedure

5% Active

Thickener Premix 44.00%

(To viscosity of 500-800 cst)

(CMC or Kelzan is recommended)

WACKER® JSD 50E 10.00%

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Packaging and storage

Storage

WACKER® JSD 50E has a shelf life of at least 180 days from the date of the delivery note if stored in tightly closed containers at temperature not exceeding 25° and protected against freezing.

It is recommended to stir before use.

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. If needed, they are available upon request.

QR Code WACKER® JSD 50E



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.