SILRES® BS 45
Silicone Resin Emulsions

SILRES® BS 45 is a water-dilutable solventless emulsion of a silicone resin used as a binder in the production of silicone resin emulsion paints and plasters.

Technical data

General Characteristics

<table>
<thead>
<tr>
<th>Property</th>
<th>Condition</th>
<th>Value</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>-</td>
<td>milky, white</td>
<td>ASTM D 412</td>
</tr>
<tr>
<td>Density</td>
<td>20 °C</td>
<td>1.04 g/cm³</td>
<td>-</td>
</tr>
<tr>
<td>Solid content</td>
<td>-</td>
<td>~ 54 wt. %</td>
<td>-</td>
</tr>
<tr>
<td>Viscosity, dynamic</td>
<td>25 °C</td>
<td>approx. 1000 mPa·s</td>
<td>Brookfield</td>
</tr>
<tr>
<td>pH</td>
<td>23 °C</td>
<td>approx. 5</td>
<td>Indicator strips</td>
</tr>
</tbody>
</table>

These figures are only intended as a guide and should not be used in preparing specifications.

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Applications

- Silicone Resin & Silicate Plasters
Application details

SILRES® BS 45 is employed as the main binder in silicone resin emulsion paints and plaster. If formulated properly, the products made with it are characterized by high permeability to water vapor and CO₂, low water absorption, low soiling tendency, a mineral appearance and long life. An excellent beading effect is also achieved if a SILRES® BS Additive is used. Facades must be primed before painting for optimal protection. We recommend high quality SILRES® BS primers.

Packaging and storage

Storage

The containers must be protected against sunlight. Stir well before taking emulsion from drums. 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.

QR Code SILRES® BS 45

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

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info@wacker.com, www.wacker.com

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