



A Subsidiary of PETRONAS Chemicals Group

PRODUCT DATA SHEET

BRB Siloen[®] SR 403

Constructions

BRB International BV

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BRB Siloen® SR 403

Silicone Emulsion



Description

Siloen® SR 403 is a non-ionic, APEO free, solventless, water-thinnable, 60% active aqueous emulsion containing a reactive silicone oil.

Application

BRB Siloen® SR 403 is specially designed to be used as:

- A paint additive improving water resistance of silicone based masonry paints
- An admixture providing water resistance to cementitious based products

Features

- Miscible with ordinary tap water
- Solvent free
- Compatible with acrylate paint systems
- Provides hydrophobic properties, water vapor permeability and beading effect in different applications

Benefits

- Provides superior hydrophobicity and low water absorption to silicone based masonry paints and cement-based mortars
- Enhanced beading and hydrophobing effect when used in conjunction with a silicone resin emulsion in masonry paints
- Brings high water vapor permeability, increased UV resistance and matte finish to coatings
- Improves processability and anti-blocking characteristics in paints

Typical Data

Parameter	Unit	Value
Appearance		Homogeneous, milky white
Active constituents, approx.	%	60
Type of emulsifier		Non ionic
Specific gravity at 25 °C, approx.		1.0
pH, approx.		6
Diluent		water

How to Use

In masonry paints, 0.5% to 5% (typically 1% to 2%) *BRB Siloen® SR 403* is added to a formulation combining a silicone resin emulsion and an acrylic based binder. *BRB Siloen® SR 403* is suitable for silicone resin paints, silicate emulsion paints, highly filled emulsion coatings, whitewash emulsions and interior paints.

BRB Sempure SR 403 can also be thinned to 2-5% solids in conjunction with an acrylic emulsion to be used as a water repellant façade primer.

In cement-based mortars, *BRB Siloen® SR 403* is used as an admixture between 0.25% to 1% by weight (0.15% to 0.6% actives), based on the dry weight of the mixture. Preferably dilute with water before addition. *BRB Siloen® SR 403* will react with aggregates or cement hydrates upon drying; it is mostly suitable for silicone resin plasters, silicate plasters, stoppers and reinforcing stoppers.

BRB Siloen® SR 403 can be used as such or be thinned with water before use. For prolonged storage of the dilution, deionized water is recommended and additional preservative may be required.

A Product Safety Data Sheet should be obtained from your BRB office prior to use.

ATTENTION: Before handling, read product information, Product Safety Data Sheets and container labels for safe use, and any physical and/or health hazard information.

FOR MORE INFORMATION

Please contact

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IMPORTANT NOTICE

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