



# BRB Silicone Oil HY 43

## Polydimethylhydrogensiloxane

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### Description

*BRB Silicone Oil HY 43* is a polydimethylhydrogensiloxane

### Application

- Water repellent treatment of plaster used to produce tiles and boards.
- Water repellent treatment of dry-sprayed substances (e.g.: extinguisher powders, various fillers).

### Typical Data

Parameter	Unit	Value
Appearance		clear liquid
Active ingredients	%	100
Specific gravity at 25 °C		1.0
Viscosity at 25 °C	cSt	20
Flash point (closed cup)	°C	110
Diluents		aliphatic, aromatic and chlorinated hydrocarbons, esters, ketones

### How to Use

#### 1. Water repellent treatment of plaster

*BRB SILICONE OIL HY 43* is added to the water to be mixed with the plaster preparation. Good water repellent properties are obtained by adding 0.2 to 0.5% *BRB SILICONE OIL HY 43* relative to the plaster powder. The quantity of water repellent varies according to the grade of plaster and the plaster-water mixing ratio. Adding *BRB SILICONE OIL HY 43* to the plaster enables water absorption to be limited to values less than those set in current European standards.

#### 2. Treating fillers

In this case *BRB SILICONE OIL HY 43* is used on its own, or for example with 3% of glycol tetraoctylene titanate. Polymerisation takes place at room temperature. It may be accelerated by heating for a few minutes at 150 °C.

**Comments:** Do not bring near potash or caustic soda or any other alkaline compound. There is a risk of a violent release of highly inflammable products. Similarly, do not use in the presence of alcohols (or solvents containing a significant proportion of them) or other components containing reactive hydrogen atoms (SH, OH...) since hydrogen release may again occur.

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.