



## Paraffin emulsion PE-60/1

Paraffin emulsion in water for hydrophobic treatment.

### Characteristics

Paraffin emulsion PE-60/1 is a solvent free water emulsion of paraffin.

### Properties

- Well combined with resins based on carbamide and melamine.
- Fine paraffin particles (about 1 micron) penetrate deeper into the material and therefore more effective in hydrophobic treatment of wood fibers in comparison with the use of paraffin melt.
- Reduces dusting at sawing or grinding of boards, thus increasing the service life of grinding belts.
- Increases the strength, smoothness and evenness of the treated boards.

### Applications

Used in the woodworking industry for the hydrophobic treatment of chipboards, wood fiber boards of medium density (MDF) and high density (HDF), oriented particle boards (OSB), wood fiber boards of the "wet" production method.

### Application methods

Apply the emulsion before hot board pressing. When heated, the emulsion decomposes and the molten paraffin micro particles settle and provide the hydrophobic effect of the board.

The amount of the used emulsion depends on the desired properties of the final product, so no general advice can be given. To determine the optimum amount, provide individual tests.

In many cases, it is sufficient to add 0.5-1.2% of the emulsion from the weight of the dry material.

Always test the selected emulsion concentration on a small sample of the material to determine the optimum amount of the product and suitability for each particular application

### Storage

Store in original containers at temperatures from +5°C to +35°C. Stock in a dry, cool and well ventilated place. Protect from direct sunlight and freezing, keep away from heat. Store away from oxidants, hypochlorites, strong acids and alkalis.

Guaranteed shelf life in manufacturer's container - 6 months.

Storage over the date specified on the label does not necessarily mean the product is unusable. In case if store more please check the properties of product before use.

### Packing

- polymer canisters 25 dm<sup>3</sup>;
- polyethylene drums capacity 50 dm<sup>3</sup>;
- barrels combined (steel-polyethylene) capacity 200 dm<sup>3</sup>;
- polyethylene barrels capacity 220 dm<sup>3</sup>;
- special polymer containers capacity up to 1 m<sup>3</sup>.

### Safety instructions

Please see comprehensive instructions in the relevant safety data sheet for the product that can be provided upon request.

## Product specification

NAME OF PARAMETER AND UNIT OF MEASURE	STANDARD
Appearance	Homogeneous liquid without mechanical impurities, the color is not standardized
Mass content of solids, %, at least	58
Medium reaction, pH	7,0-9,0
Conditional viscosity at temperature (20 ± 0,5)°C, s, by viscometer B3 246 with nozzle diameter 4 mm	10-30
Stability at dilution, hours, at least	24

To obtain more information please contact your nearest representative office of Silkor Ltd.

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