

POLSIL[®] P 300

Preparation designed for applying a silicone coating to paper

CHARACTERISTICS:

POLSIL[®] P 300 is a two-ingredient silicone preparation. The main ingredient of the preparation is a properly modified silicone polymer that is hardened by means of a catalyst in an increased temperature.

TECHNICAL DATA

Appearance	- colourless liquid
Dilution	- ready for use after adding a catalyst
Viscosity	- approximately 300 cP

APPLICATION:

POLSIL[®] P 300 is a silicone preparation designed for coating paper that is used for production of adhesive tapes and labels. A thin silicone layer formed after application of the preparation strengthens the paper and makes it hydrophobic as well as forms an adhesive layer that enables easy detachment of adhesive tapes and labels.

Preparation for application

USAGE

POLSIL[®] P 300 preparation should be thoroughly mixed with a catalyst (Polsil[®] P 300 catalyst) and the following mixing proportions should be maintained:

POLSIL [®] P 300	– 100 parts by weight
POLSIL [®] P 300 catalyst	– 2 parts by weight

Attention should be paid in order to ensure uniform distribution of a catalyst in the whole volume of the mixture because thoroughness of the ingredients mixing is a condition necessary to obtain a homogenous coating. The preparation must not be mixed with water solutions. The preparation is recommended to be applied to dry and coloured paper.

Crosslinking conditions:

Temperature: 150-170°C

Time: from 10 to a dozen or more seconds, depending on the layer thickness.

Attention: The mixture of Polsil P 300 with a catalyst should be used within approximately 12 hours.

Storage: Polsil[®] P 300 should be stored in original packages, in dry warehouse conditions, at a temperature within the range from +5 to 30°C.

Guarantee period: 12 months from the date of production.

Efficiency:

Efficiency of the preparation depends mainly on the application technique and type of paper.

Approximate efficiency of 1 g /m² is achieved when a device designed specifically for paper coating is used.

Efficiency of the preparation can be determined precisely after application tests conducted with the use of own application devices.

Data included in this document are based on experiments and tests. We can not accept full responsibility for the results of application of our product due to the fact that the actual application conditions are beyond our control. The user of the product is responsible for testing the product application.



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