

## POWSIL™-60120 Silicone Water Repellent for Textiles

### INTRODUCTION

POWSIL™ 60120 is a cationic, fluorine-free waterborne silicone polyurethane dispersion (PUD). It is designed for textile finishing applications to impart durable hydrophobic properties with a distinct lotus-effect surface. When applied via padding and cured at high temperature, it produces excellent water repellency while maintaining a soft fabric hand.

### BENEFITS / EFFECTS

- Superhydrophobic (lotus leaf effect)
- Fluorine-free formulation
- Excellent wash durability
- Soft and natural hand feel
- Compatible with cationic crosslinkers for enhanced performance

### PHYSICAL PROPERTIES

Appearance	Milky white liquid
Solid Content 120°C, 2 hr, %	28
pH	4-6
Viscosity (25°C) cP	10-1000

*These values are typical and not intended for specification purposes.*

### APPLICATIONS

Fluorine-free water-repellent finishing agent for woven and knitted fabrics.

### USAGE GUIDELINES

**Dilute POWSIL™ 60120 to 20-80 g/L** with water and **apply by padding**. **Cure the treated fabric at 170 °C for 2-5 minutes**, adjusting time based on fabric type and moisture level.

For enhanced performance, **use in combination with a cationic blocked isocyanate crosslinker at 10-30 g/L**.

### PACKING

POWSIL™-60120 is supplied in 25Kg pails.

### STORAGE

POWSIL™-60120 has a shelf life of 9 months when stored in its unopened original container between 5-40°C in a dry and cool place. While storage beyond the recommended shelf life does not necessarily render the product unusable, it is important to check the product's properties for the intended use to ensure quality and performance, especially for quality assurance purposes.

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### HANDLING

This document does not contain the product safety information required for safe use. Before handling, please refer to the product and safety data sheets, as well as container labels, for information on safe usage, physical hazards, and health risks. Safety Data Sheet is available on the website, from the distributor, or by contacting SiSiB customer service.

### NOTE

All information in the leaflet is based on our present knowledge and experience. We reserve the right to make any changes according to technological progress or further developments. Performance of the product described herein should be verified by testing.

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