

# SiSiB® WR5055 Silicone Hydrophobic Powder

## INTRODUCTION

SiSiB® WR5055 is a free-flowing, redispersible hydrophobic powder based on reactive silane/siloxane compounds encapsulated within a mineral carrier. Upon mixing with water, the silicone is rapidly released, chemically bonding to the cementitious matrix and forming a highly durable water-repellent barrier. SiSiB® WR5055 is designed for high-performance drymix mortars where long-term water resistance, reduced capillary absorption, and vapor permeability are required.

## FEATURES & BENEFITS

- Durable water repellency via chemical bonding
- Prevents liquid penetration by surface or capillary action
- Highly efficient at low dosage (0.2-1.0%)
- Reduces efflorescence and surface staining
- Maintains breathability of mortars and plasters
- Improves freeze-thaw resistance and durability
- Excellent compatibility with binders, fillers, and redispersible powders
- Easy dry blending and high storage stability in drymix formulations

## PHYSICAL PROPERTIES

Color and Appearance	Free Flowing White Powder
Bulk Density (g/L)	400-600
pH (10% aqueous dispersion)	6.0-8.0
Active Content (%)	65 (Silane/Siloxane)

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

## APPLICATIONS

SiSiB® WR5055 is ideal for use in a wide range of cementitious and gypsum-based drymix products, including:

- Waterproof mortars
- Decorative plasters and textured renders
- Tile adhesives and grouts
- Repair mortars
- Cementitious sealants and skim coats
- EIFS base coats and top coats

## PACKING

SiSiB® WR5055 is supplied in 20Kg bag.

## STORAGE

In the unopened original packing SiSiB® WR5055 has a shelf life of at least

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12 months in a dry and cool place.

Storage beyond the date does not necessarily mean that the product is no longer usable. In this case however, the properties required for the intended use must be checked for quality assurance reasons.

### 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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