Unisil SP 65

Silicone powder hydrophobizer for gypsum-based dry mixes

Description

Unisil SP 65 is a three-component pellet consisting of a powder carrier, a binder and a finely dispersed active silicone agent.

Features

- It gives dry construction mixtures and other materials based on gypsum similar protective properties to those given by liquid silicone hydrophobisers;
- the binder included in the composition provides stability during storage of the powder composition and release of the active silicone ingredient when water is added;
- provides excellent dispersibility in water;
- provides instant hydrophobicity after drying;
- mixes easily with powder formulations;
- provides natural air exchange of the structure;
- provides resistance to ultraviolet and infrared rays.

Packaging

- Bags - 25 kg.containers - 1 m^3.

Safety instructions

Be extremely CAUTION not to mix additive with caustic or highly alkaline substances such as cement or lime. The product releases flammable elemental hydrogen when in contact with strong alkalis. Detailed instructions are given in the corresponding Product Safety Data Sheet. It is available on request from your Unisil Hungary Kft representative or printed from the Unisil Hungary Kft website www.unisil.eu.

Area of application

- The main application area of Unisil SP 65 is as a hydrophobic additive in the production of waterproof dry mixes based on gypsum, fillers, plasters, grouting, blocks, slabs, decorative elements and other gypsum products;
- Unisil SP 65 can find application in many areas where protection of gypsum bases against liquid water penetration is a significant problem;
- in existing and emerging dry-mix gypsum-based formulations, where moisture-repellent properties need to be created or improved;
- as a barrier to capillary moisture infiltration in gypsum-based mortars, joint fillers, mortars, exterior and interior insulation and finishing systems, plasters, etc.

Applications

Unisil SP 65 is a dry powder. The product is intended to be added to dry construction mixtures.
To achieve the best hydrophobic effect throughout the material, SP 65 should be thoroughly mixed with gypsum and other additives before adding water.
The dosage of Unisil SP 65 is (0.2-0.9) % of the gypsum weight.
It is strongly recommended to carry out laboratory tests to determine the optimum dosage of the hydrophobizer for each mixture.
Gypsum based mixtures prepared with Unisil SP 65 can be mixed and applied using standard equipment.

Storage

Store in the original package at 0 °C to 50 °C in a cool, dry, well-ventilated place. Protect from direct sunlight and moisture.
The warranty storage period in the manufacturer's container - 12 months. Storage beyond these terms does not mean the product is not suitable. If the storage period is exceeded, check the properties of the product before use.

Product specification

Appearnce	White free-flowing granules
Granulometric composition	At least 94% < 0.180 mm
Content in the active ingredient	At least 64 % Anticaking agent not more than 36 %
Humidity, %, not more	8
Bulk density, kg/m^3	460 – 520

For more information please contact your nearest representative of Unisil Hungary Kft

LIMITED WARRANTY
PLEASE READ CAREFULLY

The information contained herein is accurate, but it does not relieve the customer from the control of each batch of products supplied. Since the conditions and methods of use of our products are beyond our control, the recommendations contained in this document should be updated by the client providing preliminary tests. Recommendations for use should not be construed as a guarantee of product suitability for a particular purpose. Unisil Hungary Kft. warrants only that the product meets its specifications in effect at the time of delivery.