

Unisil SE 51MA

High-performance aqueous emulsion of chemically active polydimethylsiloxane

Description

Unisil SE 51MA – emulsion of reactive polydimethylsiloxane in water with the addition of amino-functionalized polysiloxane oligomer.

Features

- Multifunctional:
 - as a hydrophobizer reduces water absorption of insulation, which improves its performance properties;
 - promoter of adhesion between inorganic materials and organic binder;
 - catalyst to accelerate the curing of organic resin;
 - can be mixed with most phenolic resins without side reactions or precipitation.

Storage

Guaranteed shelf life of SE 51MA is 6 months at a temperature from 5 °C to 30 °C. Store in closed original containers of the manufacturer in cool, dry, well-ventilated place, protected from moisture and direct sunlight, away from heaters.

When selecting a product, do not allow it to be kept in an open container for a long time. After partial withdrawal of the product, the container should be hermetically sealed.

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.

Areas of application

For imparting water repellent properties to glass and rock mineral wool with phenolic resins as a binder.

Application

Due to the wide variety of phenolic resins and other specific additives used, perform an emulsion compatibility test with the other components before use. After testing, Unisil SE 51MA is applied in a mixture of binder and other additives by spraying.

The amount of Unisil SE 51MA emulsion varies according to the thickness and weight of the fibers and is determined by the desired degree of water repellency of the final product.

In many cases, an emulsion of at least 0.2 % Unisil SE 51MA on the weight of the dry fibre material is sufficient.

Packing

- Polymer canisters up to 25 dm³;
- combined barrels (steel-polyethylene) 200 dm³;
- barrels polyethylene up to 220 dm³;
- special polymer containers up to 1 m³.

Safety instructions

Detailed instructions are given in the relevant product safety data sheet. It can be provided upon request from the Unisil Hungary Kft or printed from the website Unisil Hungary Kft www.unisil.eu.

Product specification

Appearance standardized	Homogeneous liquid without mechanical impurities, color is not regulated	Visually
Mass fraction of non-volatile substances at (105±2) °C, (120±5) min, (2,0±0,2) g, %, at least	48	EN ISO 3251
Dynamic Brookfield viscosity at (25±1) °C, spindle L, mPa·s, at least	300	ISO 2555
Реакция среды (рН 25 % раствора)	5,5 – 7,0	

To obtain more information please contact your local representative of Unisil Hungary Kft.

LIMITED WARRANTY INFORMATION 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 only guarantees that the product meets its specifications in effect at the time of delivery.