
Technical Datasheet

Aquasil 20

New, aqueous silane emulsion for improving the adhesion of aqueous varnish systems to critical substrates

Description

Aquasil 20 is a VOC-free, storage-stable emulsion of an organofunctional silane in water. Its use in aqueous varnish systems leads to an improvement in the adhesion between the varnish film and the critical substrate surfaces.

Characteristics

Appearance: white, low viscosity liquid, ISO 4619

Viscosity: approx. 90 mPas DIN EN ISO 3219

Density: approx. 1,03 g/cm³ DIN EN ISO 2811-3
active Silancontent ~ 20%

Features

With its reactive silane groups, **Aquasil 20** promotes strong, chemical adhesion to critical substrates (such as aluminium, pre-treated steel, glass, ceramic or cementitious substrates).

Aquasil 20 does not release critical or toxic by products. Furthermore, it can also be incorporated into the matrix of the corresponding system by epoxy groups.

Due to the special preparation process **Aquasil 20** is stable in storage and can thus be incorporated directly in aqueous formulations. This eliminates post-dosing and incorporation shortly before application.

The product shows a wide compatibility in a variety of binder systems.



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Due to its silane function, **Aquasil 20** is suitable for improving the adhesion of aqueous industrial and stoving enamels, as well as special applications in the automotive and industrial sector.

Dosage

The recommended dosage depends on the binder system and is 0,8 % - 4,0 % of the delivery form based on the total formulation. The exact amount of the feed should be determined in laboratory tests.