

# Dynasytan® HYDROSIL 2775

## Aqueous oligomeric aminoalkylfunctional silane hydrolysate

### Technical data

Properties and test methods	Value	Unit	Method
Color	< = 250	mg Pt-Co/l	ISO 6271
Content of solids	28 - 33	wt.-%	DIN 38409-H1-1
Density (20°C)	1.0 - 1.2	g/cm <sup>3</sup>	DIN 51757
Flash point	> = 95	°C	DIN EN 22719
pH-value	10 - 11,4	-	DIN 19268
Viscosity (20°C)	< 100	mPa·s	DIN 53015

### Registrations

#### Dynasytan® HYDROSIL 2775

EINECS/ELINCS (EU):	Yes
AICS (Australia):	*
DSL/NDSL (Canada):	*
PICCS (Philippines):	Yes
TSCA (USA):	Yes
IECSC (P.R. China):	*
ENCS (Japan):	*
ECL (South Korea):	*
REACH (Europe)	Exempted
* = information on request	

Dynasytan® HYDROSIL 2775 provides the producer of high-performance laminate materials with an adhesion promoter between inorganic materials (glass, minerals and metals) and organic polymers (thermosets, thermoplastics and elastomers).

Dynasytan® HYDROSIL 2775 is a clear to yellowish aqueous liquid.

The following advantages are obtained over conventional organofunctional silanes:

Increased product and processing reliability:

- no liberation of flammable organic constituents
- flash point > = 95°C

Process flexibility:

- processing possible at elevated temperatures and in the vicinity of ignition sources or static charge

Applicational advantage:

- Particular in water based polymer systems

Environmental protection:

- hydrolysis does not result in liberation of volatile organic substances

## Properties and applications

Dynasylan® HYDROSIL 2775 is an organosilicon compound based on water as the solvent and contains no volatile organic constituents.

Dynasylan® HYDROSIL 2775 contains both primary and secondary amino-functional groups. The triaminofunction of this silane is preferred to be used in the following resin systems: epoxy-, polyurethane-, imide-, phenol-, polyamide-, polyphenylene oxide and polyvinyl chloride.

### Applications

- Surface treatment of minerals
- Glass fibre reinforcement
- Priming of glass and metal
- Surface modifier for organic materials
- Additive for water-borne polymer systems

Depending on the area of application a concentration of active compound of approx. 0.5-5% may be employed. As a consequence, Dynasylan® HYDROSIL 2775 can be simply diluted with distilled water.

## Packaging, storage and shelf life

Dynasylan® HYDROSIL 2775 is supplied in 25 kg PE cans and 200 kg drums.

It is recommended to store Dynasylan® HYDROSIL 2775 above 4°C.

Dynasylan® HYDROSIL 2775 has a shelf life of minimum 12 months from delivery in an originally sealed can or drum.

## Safety and handling

Before considering the use of Dynasylan® products please read its Safety Data Sheet (SDS) thoroughly for safety and toxicological data as well as for information on proper transportation, storage and use. The Safety Data Sheet is available after registration on our website [www.dynasylan.com](http://www.dynasylan.com) or upon request from your local representative, customer service or from Evonik Operations GmbH, Product Safety Department, E-MAIL [sds-hu@evonik.com](mailto:sds-hu@evonik.com).

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