

Name **Deolink Epoxy TM-100**

Description coupling- / cross-linking agent

Active substance [3-(2,3-Epoxypropoxy)propyl]-trimethoxysilane

Appearance colourless, clear liquid

Analytical values

Content (%)	DIN 53174	min. 98
Colour	EN ISO 6271-1	max. 10
Density at 25°C (g/cm ³)	DIN ISO 787 part 10	1.05 - 1.09

Dosage

Related to total compound (%) 0.5 - 1.5

German Food Legislation (BfR recommendation LII for filler additives in polymers)

approved,
max. 0.5 % silane, related to filler

Code of Federal Regulations FDA 21 CFR 177.1390 US

approved

Supply Form

25 kg in steel-pail,
200 kg in steel-drums

Storability

In original sealed package
in cool and dry places min. 1 year

Behaviour and Effect

The methoxy-silyl-groups of Deolink Epoxy TM-100 react with the hydroxyl-groups of various substrates. Additionally a cross-linking effect can be achieved by the reaction of its epoxid-group with various polymers.

Application

Coupling agent for polyurethane-, polysulfide- and other adhesives and sealing materials used for construction and automotive applications.

Deolink Epoxy TM-100 can also be used in water based or organic solvent based industrial coatings to improve the adhesion to glass and metal.

Deolink Epoxy TM-100 is furthermore used as cross-linking agent for the production of filled epoxy resins. (e.g. for mould production).

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