

Densurf TMG

Tetra-N-Methyl Guanidine

Content Publish Date: 21.05.2026
Content Revision Date: 21.05.2026
Content Revision No : 001

PRODUCT DESCRIPTION

DENSURF TMG is a basic, highly reactive organic compound with the 100.00% active content.

Uses to accelerate the curing reactions of the alkoxy silane resins at the ambient conditions.

APPLICATIONS & KEY FEATURES

It accelerates the hydrolization reactions.
It is used as a catalyst in the polyurethane reactions.

The main application areas of the Densurf TMG are:

- Reaction Catalyst
- Hydrolization Agent

SOLUBILITY

Water	Aliphatic Hydrocarbons
	
N-Butyl Acetate	N-Butanol
	
Aromatic Hydrocarbons	Ethanol
	
	
Soluble	Not Soluble

**Detailed knowledge about the suitable diluents can be asked to the technical support team. The provided diluents are the references according to the most common application areas.

STORAGE

Please store the unopened packaging between 5°C - 35°C.
The shelf life is at least 12 months for unopened packagings.
Close the packaging cap tightly after use.

WARNING! Keep away from the acids, the heat and the moisture.

SPECIAL NOTES

It is used for the alkoxy silane hydrolization as a catalyst.

It can be used with the Densurf TBT to the accelerate curing and used for the shortening the curing time.

It causes very brittle lms when it is used with the high dosages.

TECHNICAL PROPERTIES

- Chemical Structure: Tetra-n-methyl guanidine
- Appearance: Clear yellow liquid
- Solid Content (10 mins., 160°C): 100.00 %

SYSTEM

Alkoxy Silane Resins	Esteri Cation Reactions
	
Polyurathane Reactions	Ring Opening Polymerization
	
Sol-Gel Reactions	Alkyd Resins
	
	
Suitable	Not Suitable

**Detailed knowledge about the compatible systems can be asked to technical support team. The provided systems are the references according to the most common application areas.

DOSAGE

Recommended amount; 0.01 - 0.50 % (by weight as supplied based on the total amount of the resin in the formula)

Note: Amounts mentioned above are just a recommendation.

Please make laboratory tests to specify the optimum amounts.

PROCESS RECOMMENDATION

It is preferably added before the application to prevent the undesired pre-reactions.