

Technical Information

TEGOPAC® REACTIVE DILUENTS (RD)

TEGOPAC® Reactive Diluents (RD) are silane-modified polymers which can be used to reduce viscosities of adhesive & sealant formulations. The products can also be used for adhesive formulations to avoid migration effects. A replacement against migrating plasticizers is possible.

TEGOPAC® Reactive Diluents (RD) can be blended with different types of silane-modified polymers and epoxy polymers. Formulating with various plasticizers, fillers, and other additives is possible to address applications like parquet adhesives, liquid-membrane & roof sealing applications or pressure sensitive adhesives.

**Technical parameters***

	TEGOPAC® RD 1	TEGOPAC® RD 2	TEGOPAC® RDS 1
Appearance	colorless, clear liquid	colorless, clear liquid	colorless, clear liquid
Viscosity (23 °C)	1,000 mPas	1,500 mPas	300 mPa.s
Density (25 °C)	1 g/cm ³	1 g/cm ³	1 g/cm ³
Plasticizer	none	none	none
Solvent	none	none	none
Classification	lateral cross-linking groups low cross-linking density	lateral cross-linking groups high cross-linking density	lateral cross-linking groups medium cross-linking density more hydrophobic character in comparison to RD 1 & RD 2
	ethanol releasing SMP	ethanol releasing SMP	ethanol releasing SMP

*no specification data

Benefits

- TEGOPAC® RD products reduce viscosity of polymers & adhesive formulations
- Through partial or total replacement of a plasticizer, TEGOPAC® RD products can avoid migration effects by becoming chemically anchored within the polymer network after curing
- TEGOPAC® RD products help to improve cure-through properties: by the lateral crosslinking groups of the polymer the cure-through properties are influenced positively
- TEGOPAC® RD products can be combined with different silane-modified polymers or epoxy polymers
- TEGOPAC® RD products can be used for production of methanol-free SMP formulations

Processing

TEGOPAC® Reactive Diluents (RD) need to be combined with a polymer binder to reach good mechanical properties.

To ensure maximum shelf-life of your formulations it is recommended to use raw materials with low residual water content. Applying temperature and vacuum to remove residual water from the formulation during production is recommended. A standard chemical drying agent (e. g. Dynasylan® VTMO or VTEO) can be added to the formulation.

Packaging

950 kg IBC

Shelf life & Storage

6 months in closed original containers.

Containers should be stored at ambient temperature (5 – 25 °C) in a dry place.

Hazardous goods classification

Information concerning

- classification and labelling according to regulations for transport and for dangerous substances
- protective measures for storage and handling
- measures in case of accidents and fire
- toxicity and ecological effects

is given in our material safety data sheets.

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Evonik Nutrition & Care GmbH
Goldschmidtstraße 100
45127 Essen, Germany
Phone Europe +49 201 173 2665
Phone Asia +86 21 61191 125
Phone Americas +1 804 727 0700
interface-performance@evonik.com
www.evonik.com/Interface-performance

