LANDU

Technical data sheet
TDS-NOVERA-7010-L-EN
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LANDUSIL NOVERA

7010-L

Epoxy/Amino Co-Functional Polysiloxane

Polysiloxane with epoxy and amino groups for adhesives, primers and protective binders

Chemical identity

Chemical name
Epoxy/amino co-functional polysiloxane

CAS number
See SDS

Reactive groups
Epoxy, amino

Physical form
Liquid

Product description

LANDUSIL NOVERA 7010-L is a liquid polysiloxane carrying both epoxy and amino groups. It is a clear to slightly hazy liquid.

The two reactive groups bond to inorganic surfaces and to the organic resin. It is used in industrial metal coatings, epoxy assembly adhesives, glass and ceramic bonding primers and epoxy composite matrices.

Features and benefits

- Epoxy and amino groups in one siloxane
- Bonds inorganic surfaces to resins
- Liquid, easy to blend
- Suited to primers and adhesives
- Siloxane flexibility and water resistance

Specification

Property	Unit	Value	Test method
Appearance		**Clear to slightly hazy liquid**	Visual
Viscosity, 25 °C	mPa·s	**500 – 3,000**	Rotational viscometer

Tested on every batch and reported on the Certificate of Analysis.

Typical properties

Epoxy equivalent weight	200 – 270 g/eq
Viscosity	700 – 2,500 mPa·s

For guidance only; not part of the specification.

Applications

Industrial metal coating formulations
Adhesion promoter and binder.

Reactive siloxane modification of epoxy adhesives
Reactive modifier.

Epoxy composite matrices
Matrix modifier.

Epoxy assembly adhesives
Adhesion-promoting modifier.

Glass and ceramic bonding primers
Primer component.

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Guidelines for use

Mixing order	Add the grade into the receiving system as stated by the TDS; check pot life after mixing.
Storage	Keep moisture out; reacted material may gel.

These levels are starting points. Determine the optimum level and method in trials under your own conditions.

Handling and safety

- Epoxy compounds can cause skin sensitization; avoid skin contact and wear gloves and eye protection.
- Keep away from heat and ignition sources; use with ventilation.
- Read the Safety Data Sheet before use.

Storage and shelf life

Store in tightly closed original containers in a cool, dry place, protected from moisture. Shelf life is 12 months from the date of manufacture in unopened containers.

Packaging

25 kg plastic drum, 200 kg steel drum, 1,000 kg IBC. Other pack sizes on request.

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