LANDU

Technical data sheet
TDS-NOVERA-4030-L-EN
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LANDUSIL NOVERA

4030-L

Epoxy-Modified Silicone Resin

Epoxy-modified silicone resin for outdoor and protective metal finishes

Chemical identity

Chemical name
Epoxy-modified silicone resin in solvent

CAS number
Mixture – see SDS

Solids content
approx. 50 %

Physical form
Liquid

Product description

LANDUSIL NOVERA 4030-L is a silicone resin modified with epoxy groups and supplied as a solution of about 50 % solids. It is a clear to pale yellow liquid.

It combines silicone weathering with epoxy adhesion. It is used in industrial equipment and steel topcoats, transportation coatings, photovoltaic backsheet repair coatings and electronic protective films.

Features and benefits

- Silicone resin with epoxy groups
- Gloss retention and weathering
- Epoxy adhesion
- Solution, ready to formulate
- Suited to outdoor finishes

Specification

Property	Unit	Value	Test method
Appearance		**Clear to pale yellow liquid**	Visual
Solids content	%	**48 – 52**	Gravimetric, 150 °C

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

Typical properties

Epoxy equivalent weight	500 – 2000 g/eq
Viscosity	100 – 10,000 mPa·s

For guidance only; not part of the specification.

Applications

Industrial equipment finishes
Binder for equipment topcoats.

Steel and infrastructure topcoats
Binder for steel topcoats.

Transportation equipment coatings
Topcoat binder.

Photovoltaic backsheet repair coatings
Repair coating binder.

Electronic protective films
Protective film binder.

Guidelines for use

Hardener	Match hardener and pigment package to the measured epoxy content.
Evaluation	Compare film appearance, adhesion and weathering on the intended substrate.

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

Handling and safety

- Solutions are flammable; keep away from heat and ignition sources, ground containers and use with ventilation.
- Wear gloves and eye protection; avoid skin and eye contact.
- Read the Safety Data Sheet before use.

Storage and shelf life

Store in tightly closed original containers in a cool, dry, well-ventilated place away from ignition sources. 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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