LANDU

Technical data sheet
TDS-NOVERA-2070-E-45-EN
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LANDUSIL NOVERA

2070-E-45

Waterborne Phenyl Silicone Resin Emulsion

Nonionic phenyl silicone resin emulsion, about 45 % solids, for waterborne coatings and facade finishes

Chemical identity

Chemical name
Phenyl silicone resin emulsion

CAS number
Mixture – see SDS

Solids content
approx. 45 %

Physical form
Aqueous emulsion

Product description

LANDUSIL NOVERA 2070-E-45 is an aqueous emulsion of a methyl phenyl silicone resin with about 45 % solids and a nonionic emulsifier system. It is a milky-white liquid.

It is used in waterborne industrial coatings, mineral facade finishes, waterborne heat-resistant coatings and filled bonds, and as a feed for emulsion reformulation.

Features and benefits

- Waterborne phenyl resin
- Nonionic emulsion
- Low solvent content
- Mixes into aqueous binders
- For mineral and metal coatings

Specification

Property	Unit	Value	Test method
Appearance		**Milky-white liquid**	Visual
Solids content	%	**43 – 47**	Gravimetric, 1 h / 200 °C

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

Typical properties

Emulsifier	Nonionic
Viscosity, 25 °C	approx. 100 – 200 mPa·s
Solvent content	< 8 % xylene

For guidance only; not part of the specification.

Applications

Waterborne industrial coatings
Binder for waterborne coatings.

Waterborne heat-resistant coatings
Heat-resistant waterborne resin.

Emulsion reformulation
Feed emulsion for formulation.

Architectural mineral finishes
Binder for mineral facade paint.

Waterborne filled bonds
Resin phase for filled bonds.

Guidelines for use

Mixing	Add slowly under stirring to compatible aqueous binders; check pH compatibility.
Film formation	Dry and cure as the system requires; assess film formation and storage stability.

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

Handling and safety

- Wear gloves and eye protection; avoid skin and eye contact.
- Do not allow the emulsion to freeze or dry on equipment.
- Read the Safety Data Sheet before use.

Storage and shelf life

Store at 5 – 35 °C, protected from frost and direct sunlight, in tightly closed original containers. Shelf life is 6 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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