

MARILATEX® PU

Synthetic emulsion
(modified polyurethane)

TECHNICAL DATA SHEET
Date: 21.11.2023 - Version 18

Product description

MARILATEX® PU is a specially formulated modified polyurethane dispersion/emulsion that significantly improves the properties of cementitious products, mortars, tile adhesives or plasters. It is added to water during the mixing process.

MARILATEX® PU is based on the innovative PUD-Technology™ of MARIS POLYMERS S.M.S.A. With the addition of MARILATEX® PU the mixtures offer greater adhesion to the substrate, greater elasticity and less cracking/shrinking, even at low temperatures.

In comparison with SBR emulsions and due to the PUD-Technology™ of MARILATEX® PU a significant less quantity is required for the same results.

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Product Information

- One component, specially formulated modified polyurethane dispersion/emulsion

Packaging

- 1/5/20 kg metal pails

Color

- White

Shelf Life

- 12 months from date of production

Storage Conditions

- Pails should be stored in dry and cool rooms for up to 12 months. Protect the material against moisture and direct sunlight. Storage temperature: 5°-35°C. Products should remain in their original, unopened containers, bearing the manufacturer's name, product designation, batch number and application precaution labels.

Advantages

- Resilience to alkali cement.
- Compatible with all mortar types.
- Increases surface hardness.
- Provides excellent adhesion.
- Provides greater elasticity.
- Wide range of uses.
- Functions in a wider temperature range.
- Non-toxic.

■ Main Uses

MARILATEX® PU is a high-quality modified polyurethane emulsion, which is recommended for:

- Mortars
- Grouting materials
- Reinforced concrete repairs
- Plaster mixtures
- Tile adhesives
- Cement mixtures

■ Consumption

MARILATEX® PU is added into the mixing water. The MARILATEX® PU / mixing water ratio per weight is as follows; Waterproofing mortar: 1:1

Bonding mortar: 1:1

Masonry mortar: 1:1 to 1:2

Tile adhesive: 1:2

Plaster: 1:2 to 1:3

This coverage is based on application by roller onto a smooth surface in optimum conditions. Factors like surface porosity, temperature and application method can alter consumption.

■ Certifications



Technical data*

PROPERTY	RESULTS	TEST METHOD
Composition	Synthetic emulsion	
Specific weight	1,05+ 0,05 gr/cm3	ASTM D 1475



PUD Technology™: The Sustainable Revolution in Polyurethane



MARILATEX® PU is based on the innovative PUD Technology™ of MARIS POLYMERS SMSA, which enables, long-chain polyurethane macromolecules to be incorporated in a water medium, forming stable dispersions.

The PUD Technology™ based products, have the advantage offering the high-level properties of solvent based products, in an ecological, consumer and environmentally friendly, water-based, low VOC, non-ADR transport product. The PUD Technology™ is the entry to the Sustainable Revolution in Polyurethane-based products.



■ Application

Surface Preparation

For best results the application temperature should be between 5°C and 35°C. The mortar/plaster/etc should always be applied on wet surface. The aggregates should be free of dirt or any other material and of the right size for each application

■ Safety measures

Keep away from children. Do not use empty containers for food storage. See information supplied by the manufacturer. Please study the Safety Data Sheet.

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* All values represent typical values and are not part of the product specification