

MARILATEX® PU

TECHNICAL DATA SHEET

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Synthetic Emulsion (modified polyurethane)

Product description

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

MARILATEX® PU is based on the innovative PUD-Technology™ of MARIS POLYMERS 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.

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

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.

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.

Technical Data *

PROPERTY	RESULTS	TEST METHOD
Specific weight	1,05±0,05 gr/cm ³	ASTM D 1475

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.

Packaging

MARILATEX® PU is supplied in 20 kg, 5 kg and 1kg metal pails. 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^o-35^oC. Products should remain in their original, unopened containers, bearing the manufacturers name, product designation, batch number and application precaution labels.

Our technical advice for use, whether verbal, written or in tests, is given in good faith and reflect the current level of knowledge and experience with our products. When using our products, a detailed object-related and qualified inspection is required in each individual case in order to determine whether the product and /or application technology in question meets the specific requirements and purposes. We are liable only for our products being free from faults; correct application of our products therefore falls entirely within your scope of liability and responsibility. We will, of course, provide products of consistent quality within the scope of our General Conditions of Sale and Delivery. Users are responsible for complying with local legislation and for obtaining any required approvals or authorizations. Values in this technical data sheet are given as examples and may not be regarded as specifications. For product specifications contact our R+D department. The new edition of the technical data sheet supersedes the previous technical information and renders it invalid. It is therefore necessary that you always have to hand the current code of practice. PROFESSIONAL USE ONLY

* All values represent typical values and are not part of the product specification. Upon UV exposure, the product might fade and yellow slightly

