

MATGRIP PU2

Low viscosity Two Components Polyurethane Adhesive

Description:

MATGRIP PU2 is a strong, elastic two components polyurethane adhesive for fixing wooden parquet, PVC, rubber, vinyl, resilient flooring on non-porous substrates (ceramic tiles, marble, metallic plates, etc).

When the two components are mixed, the product will come an easy to apply paste with a suitable notched trowel. After curing, the product becomes semi flexible, tough and resistant to moisture, water, heat and sever climate conditions.

MATGRIP PU2 is suitable for internal and external applications, and can withstand high temperature and intense mechanical stress.

Uses:

MATGRIP PU2 is an ideal adhesive for fixing floor covering including:

- Wooden parquet, PVC, rubber, vinyl, resilient flooring
- Rubber athletic tracks and multisport flooring.
- Recycled rubber shock-absorbent flooring.
- Resilient flooring for indoor sports flooring, and onto waterproofing fiberglass underlays.
- Porcelain tiling on top of non-porous substrate
- PVC sheets and vinyl floor tiles.

Advantages:

- Adheres well to almost all materials used in the building industry
- Can be applied indoor and outdoor
- Solvent free with very low VOC
- High bond to the substrate with rapid load bearing strength
- Suitable for installing thin flooring covering
- Can be used for all kinds of residential and commercial buildings

Instructions for Use:

Surface Preparation:

The support must be clean, compact, free from dust, mortar, grease, paint, oil or any material that can affect anchorage power of the adhesive. All cracks should be repaired with LAVAPOXY FINISH.

Non porous materials like ceramics or marble must be well cleaned and washed, as well as roughened with suitable tools.

The moisture content of the support must be less than 3% for cementitious surface and less than 1% for Gypsum surfaces, with a temperature not less than 5°C and not more than 35°C.

Application:

To prepare the mixture, use an electric drill equipped with a suitable paddle. Add component B to component A and mix thoroughly till a homogeneous mix is obtained. The product should be applied within the pot life which is effected by the ambient temperature.

Apply the mixed product on the substrate in small spots, and then spread the product with a toothed spatula (teeth with 3 mm). Spread material all over the surface immediately to avoid possible formation of superficial film.

Spread enough quantity to permit the whole parquet, flooring tiles or sheets to come in contact with the adhesive.

Parquet fixing should be performed immediately after spreading the adhesive. Hammer the slats carefully to assure a complete contact with the adhesive.

Extra care should be taken to avoid air pockets under the floor covering. Roll or rub the flooring sheets or tiles after installation to ensure a good adhesion with the substrate.

The product sets in 24 hours at 25°C temperature, lower temperature delays the setting time. Any

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further work to grind or finish the parquet flooring should be done once the adhesive is totally cured.

All the tools employed for the preparation and laying of MATGRIP PU2 must be cleaned with ARMOSOLVENT before it hardens.

Packaging:

Set of two kits (part A base, and part B hardener) in metallic containers of total 4 Lt.

TECHNICAL PROPERTIES		
	Component A	Component B
Consistency	: Thick Paste	Fluid Liquid
Density (g/cm ²)	: 1.55	1.12
Density of mix	: 1.50 kg/mm ³	
Application temperature range	: from +5°C to 40°C	
Open time	: 40 minutes @ 20°C	
Set to light foot traffic	: 12-24 hours	
Ready for use	: 72 hours	
Temperature when in service	: from -30°C to +100°C	
Resistance to moisture	: excellent	
Resistance to ageing	: excellent	
Resistance to solvents and oils	: good	
Resistance to acids and alkalis	: good	
Pull out strength	: >2 N/mm ²	
Drying	: 24 hours at +25°C	

Consumption:

Mainly depends of the substrate angulation. For a flat surface, consumption will be from 800 to 1,000 g/m².

Storage:

Store in well-closed original packaging in dry covered sheds. If stored as recommended, its shelf life would be 6 months.

Recommendation:

- The recommended temperatures for installation normally between +5°C and +40°C, in order to maintain workability and setting times.
- Make sure that there is no rising dampness in the substrate.
- Do not install flooring on non-cured concrete (residual moisture content must be maximum 3.0%)
- Do not install flooring on bituminous surfaces.
- Un-bonded screeds laid over waterproof or sound insulation, or concrete slabs onto soil should be separated underneath with vapor barrier to prevent moisture rising.

Health and Safety:

The product must be handled with caution: use the gloves, protective creams and glasses to avoid the contact with skin and eyes.