

PEGOLAND® ELASTIC

Highly flexible, two component adhesive for diverse surface like metal, plywood and drywalls.

ISO 13007 – 1: 2014 • R2 T • EN 12004 : 2007

DESCRIPTION

Two component, Polyurethane- Epoxy Hybrid technology based, highly flexible, highperformance, multipurpose, thin-set adhesive for fixing all types of tiles and stones including composites, engineered/ nano stone, metal and glass tiles on interior and exterior floor and wall. It is suitable for fixing tiles/ stones over diverse surfaces like cement-based substrate, metal substrates, epoxy/ PU based substrate, drywall boards, rubber, PVC, plywood, wood derivative and highly deformable and expandable, absorbent and non-absorbent substrates.

ADVANTAGES AND USES

- Two components; just mix and use.
- Long open time - suitable for large format and external condition too.
- Water, freezing, thermal shock resistant.
- Sustains heat ageing, ideal for external and high temperature applications.
- Highly flexible adhesive, sustains heavy vibrations.
- Chemical resistant and resistance to solvents, alkalis and oils.
- Suitable for multiple substrates including glass, metals, drywalls and plywood.
- Suitable for fixing all tiles/ stones including composites, artificial stones, metal and glass tiles.
- Low VOC, for healthy living.

SUITABLE SUBSTRATES

- Cement-based surfaces (screeds, plaster, concrete), metal surfaces (iron, steel, copper, aluminum etc.).
- Epoxy/ PU based substrate, drywall surfaces (like gypsum/ bison/ fibre / cement board) existing tiles and stones, plywood, mdf and wood derivative, rubber, PVC, glass etc.
- Substrates should be resistant , stable, healthy and clean; without any dust, or any other organic products.
- All substrates should have the adequate flatness.

APPLICATION PROCEDURE

- The two components of Pegoland Elastic are supplied in ready-to-mix bucket.
- Pour the part B into part A and mix well until a uniform white paste is obtained.
- Mix with a suitable mechanical stirrer or slow speed drills (50 - 100 rpm) until a lump free homogeneous paste is obtained.
- Always mix required quantity, which can be consumed within pot life.
- Leave mixture for 5 minutes before use.
- The ratio of the part A and part B is fixed, and any modification and/or inappropriate ratio could cause incorrect hardening of the product
- Apply adhesive to the substrate with the flat side of the trowel.
- Comb on additional adhesive with the notched side.
- Use the proper sized notched trowel to ensure full bedding of the tile.
- Tiles must be fixed within 60 minutes of adhesive being applied, depending on atmospheric conditions.
- Check the adhesive ribs periodically and if a skin has formed, remove the dried adhesive and apply fresh adhesive.
- Press the tiles firmly into position with a slight twisting action, checking periodically that good contact is maintained with the back of each tile and beat in using rubber mallet to imbed tile and adjust level.

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- Leave no voids behind tiles.
- For large size tiles or irregular surfaces, adhesive can additionally be buttered on the backs of the tiles to ensure full adhesive contact.
- Use suitable support along with adhesive for fixing tiles on vertical surfaces.
- Leave adequate joints between individual wall and floor tiles.
- The joint width shall be as per the recommendation of architect / engineer.
- Provide joints (spaces) on the periphery of the area without allowing the tile / stone to be bound by the peripheral area.
- Fill the resulting grout joints with flexible materials.
- Clean off surplus adhesive from the tile face and between joints.
- Clean tools and tile work with water or suitable solven while adhesive is fresh.
- Once cured, the adhesive can only be removed by mechanical means.

RECOMMENDATIONS

- The substrate must be level, cured, undamaged, compact, rigid, resistant, dry and free from any debonding agents and from damp rising.
- All surfaces must be plumb and true to within 6 mm in 3m.
- Dry, dusty surfaces should be dampened with water and excess water should be swept off.
- New concrete slabs shall be damp cured and 28 days old before application which will reduce the shrinkage from tile fixing surface.
- Rust on iron surfaces must be removed by sandblasting .
- Expansion joints to be provided and filled with suitable sealant.
- Don’t cover expansion joints with thin set tile adhesive/ tile.
- Do not use on damp surfaces or where there is a risk of rising damp.
- The packs are pre-measured, therefore mixing errors are impossible. For partial mixing, weigh the two parts precisely.
- Any modification and/or inappropriate ratio could cause incorrect hardening of the product.
- Protect against direct rain/ foot traffic for at least 12 hours.
- Tiles/ stones should not be installed directly on expansion joints.
- Leave gap between the tile and fill gaps with Morcemcolor range.
- Designer/ applicator must evaluate the use of an additional mechanical fastening system for extra security for more than 3 m height (such as steel hooks fastened to the substrate).
- Avoid application in contact with polystyrene or on substrates which are not fully cured and subjected to moisture rising.
- Do not use Pegoland Elastic to bond transparent glass materials.
- Adhesives for ceramic tile, bricks and stone are not designed as replacements for waterproof coating.

PACKAGING AND STORAGE

8 Kg two component pail.

It can be stored up to 24 months in its original closed packaging and in the right position; keep it indoors and away from humidity. Do not expose to ice.

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TECHNICAL DATA

(Statistic results obtained in standard conditions)

Testing properties	Test results
Mixing Ratio (Part A : Part B)	Part A - 7.3 kg & Part B - 0.7 kg (Part A : Part B – 100 : 10 by weight)
Mixed Material Appearance	Off White Paste Consistency
Mixed Density	1.65 ± 0.1 kg/ litre
Open Time	Min. 60 minutes
Adjustability	Min. 60 minutes
Pot Life	Min. 60 minutes
Sag/ Slip	≤ 0.5 mm
Application Temperature (substrates and materials)	10°C to 40°C
Resistance to temperature	–40°C to +100°C
Setting/ Trafficable/ Grouting Time	24 hours
Interval before normal use	3 days (7 days for heavy duty traffic)
Coverage	• 1.5 – 1.9 m²/ 4 kg pack - 1.5 mm bed thickness (using 3 mm x 3 mm notch). • 0.74 – 0.93 m²/ 4 kg pack - 3 mm bed thickness (using 6 mm x 6 mm notch). * Coverage will vary depending on trowel notch size, type, size of tile and substrate smoothness and evenness. For tile/stones formats larger than 60 cm, the doublebuttering method is recommended to ensure proper adhesion and full coverage.

PERFORMANCE PROPERTIES AS PER ISO 13007 AND EN 12004 (R2T)

Testing Properties	Requirement	Test Results
a) Initial shear adhesion strength	≥ 2.0 N/mm²	≥ 5.0 N/mm²
b) Shear adhesion strength after water immersion	≥ 2.0 N/mm²	≥ 5.0 N/mm²
c) Shear adhesion strength after thermal shock	≥ 2.0 N/mm²	≥ 5.0 N/mm²
d) Tensile adhesion - Open time (at 60 minutes)	≥ 1.0 N/mm²	≥ 1.5 N/mm²
e) Slip resistance (T)	≤ 0.5 mm	≤ 0.3 mm

LEGAL DISCLAIMER

The information and instructions in this datasheet are based on our current tests and technical knowledge. They are intended as general guidance and do not constitute a binding commitment by PIDILITEPUMA MEA CHEMICALS LLC. It is the sole responsibility of the user to verify, prior to use, that the product is suitable for the intended application and to ensure that it is applied correctly and in accordance with applicable regulations and good industry practice.

PIDILITEPUMA MEA CHEMICALS LLC cannot control how its products are applied on site throughout the entire project and therefore cannot accept responsibility for their application by contractors or other parties involved in the execution of the work. Support visits to the jobsite by our technical staff do not change that. Our responsibility is limited exclusively to defects that can be directly attributed to the supplied products, whether used individually or as part of a system, caused by manufacturing defects.

It is the responsibility of the project designer, site manager, contractor, or other relevant professionals to ensure that the selected products are appropriate for the specific project, taking into account their properties,

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the substrate, site conditions, and any existing issues.

In the event of a claim, the original packaging must be provided to ensure proper product traceability.

Any performance values stated for PIDILITEPUMA MEA CHEMICALS LLC products or construction solutions, whether in UNE standards or other applicable standards, are based solely on the specific test conditions defined in those standards (such as substrate type, temperature, and humidity). These values may not apply to situations where products are tested or used under different conditions.

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