



Complete Tile Fixing Solution



PU ADHESIVE FOR ANY SURFACE

ADHESIVE FOR USE WITH ANY TYPES
OF TILES, STONES & MARBLES.

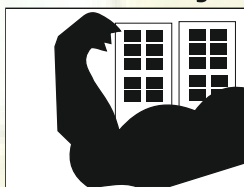


**COMPLIANCE
TYPE - 5
ANSI A 118.4 ET
EN/ISO C2TES2 CLASSIFIED**

Latest Technology
Value For Money



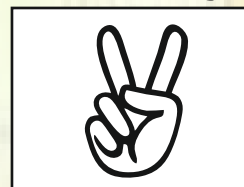
Durability



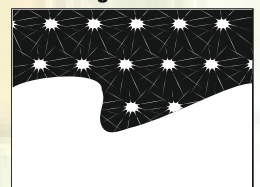
ISI MARK



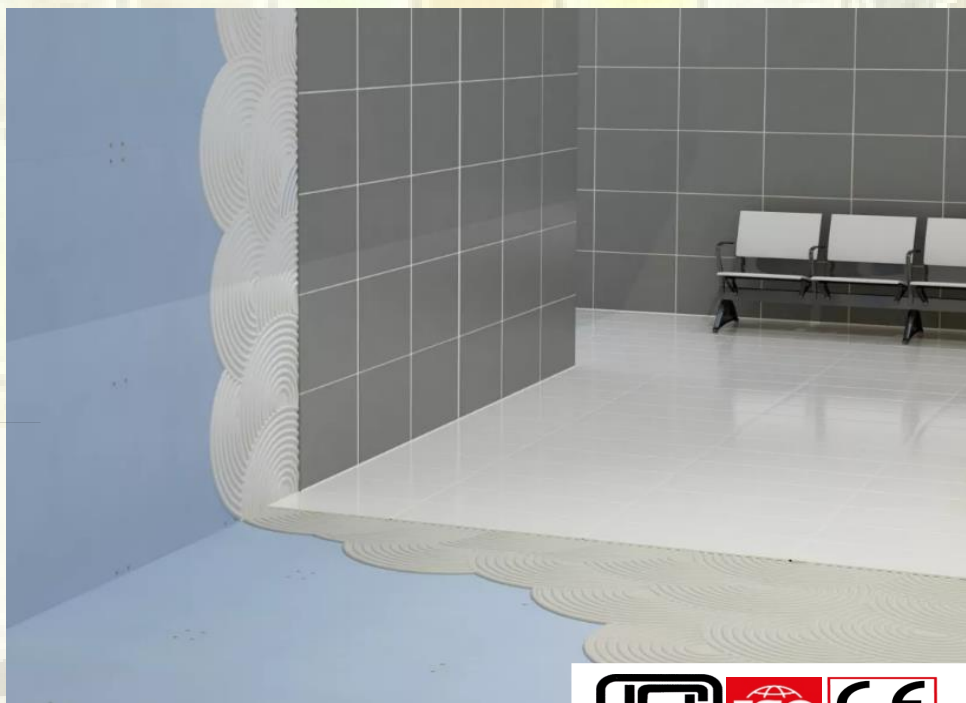
Reliability



**Resists Algae &
Fungus Growth**



HOME PRIDE PU ADHESIVE (ALL ROUNDER)



Home Pride PU Adhesive




Home Pride PU is two components adhesive when mixed together gives more strength and more flexibility to Adhesive for Installation of Ceramic, Vitrified, Metal, Glass, Agglomerates glass tile & natural stone on any substrate. HP PU Adhesive is water free & is made up of a polyurethane base (component A) and a special hardener (component B). It is highly Elastic, flexible, water proof , thixotropic & suitable to water sensitive tiles & stones on highly expendable , absorbent & non absorbent substrates.

Application

Indoor and outdoor , bonding of wall and floor ceramic ,vitrified tiles , stone material , glass , metal tiles , reinforced polyester , pvc , wood , asphalt, gypsum board and gypsum panels.

Conditioning of application like

- Tiling work from to vibration and deflection.
- In showers and on sheets used for prefabricated bathroom.
- External terraces, balconies, domes or flat roof subject to foot traffic.
- Tiling work over wooden work surface or kitchens in order to achieve waterproof surface.
- Battery plants, Beverage plant and Industrial food Processing Plant.
- Recommended for Rubber Flooring, Installation of slabs on wall & heavy tiles.
- Environments need of high Temperature & Chemical Resistance.
- Installation for green and white agglomerated marble.
(Have tendency to stain, darken and warp when installed with water base installation material)

Suitable Substrates				
Glass	Metallic Substrates	Dry wall Boards Substrates	Concrete Substrates	
Glass	Grid iron Mild steel Stainless steel Aluminum Copper	Gypsum Boards Plywood Wood Metals Composite Boards Modified Backer Boards	Cement Mortar Bed Cement Plaster Cement Terrazzo Ceramic and Stone Brick Brick Masonry	
Suitable Tile Type				
Glass Tiles	Metal Tiles	Engineered Stones (Manufactured Stones)	Ceramic Tiles	Vitrified Tile
Glass Mosaic Tiles Stained Glass Tiles	Zinc Copper Steel Alloys	Quartz Stone Tiles Engineered Granite Stone White Quartz Stone Tile Natural Stone Tiles Engineered Marble Stone	Ceramic tiles	Vitrified tile
Certification				
 Approved IS 15477:2019		 Meet EN 12004 & ISO 13007 (R2T)	 Meet ANSI: A 118.3	

Advantage		
Heavy duty Industrial Adhesive	Chemical & Heat Resistance	Give Permanent Bond , Durable
Water & Shock & Vibration Resistance	Superior Bond & easy to apply	More strength & more flexible

Technical Data

Product Identification		
Parameters	Component A	Component B
Consistency	Thick paste	Fluid liquid
Colour	White	Straw transparent
Density (g/cm ³)	1.89	0.98
Brookfield viscosity (m-pa.s)	1800,900	48
Performance Property (at +23°C and 50% R.H)		
Consistency		Very viscous
Viscosity (Mixed)		1280,000 CPS
Mixing ratio by weight		Component A: Component B = 15.6: 1 .
Mix density (kg/m ³)		1730
Application temperature range		+10°C To 38 °C
Pot life		40 Minutes
Setting time	Initial	3 hr
	final	6 hr
Light foot traffic		12 hr
Ready for use		7 days

Application Standards: IS 15477:2019, Meet ANSI A 118:3, EN 12004 & ISO 13007.

TEST RESULTS AS PER IS 15477 : 2019 TYPE -5			
NAME OF TEST	TEST METHOD	REQUIREMENT	TYPICAL VALUES
TENSILE ADHESIVE STRENGTH			
Dry Condition (28 days)	Annex A (Clause 5.1)	2 N/mm ²	2.5 - 3.6 N/mm ²
Wet Condition (7 STD days 21 WET)	Annex A (Clause 5.1)
SHEAR ADHESIVE STRENGTH			
Dry Condition (28 days)	Annex B (Clause 5.2)	6 N/mm ²	6.5 – 8.2 N/ mm ²
Heat A. Condition (14STD 14days oven)	Annex B (Clause 5.2)	3 N/mm ²	3.9 - 5.2 N/mm ²
Wet Condition (7 STD days 21 WET)	Annex B (Clause 5.2)
OPEN TIME			
OPEN TIME	Annex C (Clause 5.3)	> 30 Min	35 Min
ADJUSTMENT TIME			
AD. T	Annex D (Clause 5.4)	> 30 Min	35 Min
SLIP TEST			
SLIP TEST	Annex E (Clause 5.5)	< 0.5 mm	0.15 mm - 0.20 mm
DEFORMABILITY			
DEFORMABILITY	Annex F (Clause 5.6) S2	>5 mm	8 mm

*All the tests carried out at standard atmospheric condition.

TEST RESULTS AS PER EN 12003	
Shear adhesion strength	
Initial shear adhesion strength	5.8
Shear adhesion strength after thermal shock	3.1
Shear adhesion strength after water immersion	2.9
Resistant to temperature	From -40°C To +100°C
Resistance to acid and alkalis	Good
Resistance to ageing	High
Resistant to solvent and oils	Good
Deformability	High

Coverage details (per 5 kg pail)

Trowel size	Average Bed thickness	Minimum coverage	Maximum coverage
6mm*6 mm Square Notch(1/4*1/4)	3 mm	10 Sq.ft	12 sq ft

*Coverage will be depending on type & size of tile & substrate smoothness & flatness.

Pail Pack of Two Parts Contains in 4 Kg

Part A (Filler & Resin)	Part B (Hardener)
3.7 Kg	300 gm

For 1 kg paste 925 gm Part A & 75 gm Part B

The relation of setting time & temperature are as follow:

Setting time in hours	1.5	2.5	5	7	15
Temperature in C ⁰	30	25	20	15	10

Installation

A. Preparing the substrates:

The substrate must be cured, mechanically strong, free from loose particles, oil, grease, wax, paint etc and be sufficiently dry. Cement substrate – Cement substrate must not be subject to shrinkage after the installation of the tiles.

Render must be cured for at least one week for every centimeter of thickness.

Cement screeds must be cured for at least 28 days.

Iron surface – Rust on iron surface must be removed by sandblasting.

Reinforced gypsum, gypsum board & anhydrite substrates must be coated with Primer.

B. Mixing of PU Adhesive :

Two component PU Adhesive is supplied in ready to mix buckets
Note- The ratio of the resin paste (component A) and Hardener (component B) is fixed and modification can cause incorrect hardening of the product.

Pour the hardener (Component B) into resin paste (component A) and mix until a uniform white paste is obtained. It is advisable to use a low speed electric stirrer to ensure perfect mixing and avoid overheating the mixture, which would reduce the working time. Use the mixture within 30-40 minutes of mixing.

C. Apply the mixture over substrate:

Apply to the substrate a uniform layer of HP PU Adhesive with a notched trowel. Choose a trowel that will give coverage to the back of the tiles of at least 65-70%.

For exterior installation tile backs must be completely cover with PU adhesive.

When both waterproofing and bonding is required, for example on wooden kitchen worktops, one of procedures may be followed:

- 1- Spread HP PU Adhesive on the substrate with a flat trowel to a thickness of at least 2 mm; than rework the surface with a notched trowel so as to line it all over without reducing the thickness to less than 1mm. this thickness must be maintained even after the tiles have been installed, especially when the tile backs have high lugs or ribs.
- 2- Spread HP PU Adhesive with a flat trowel to a uniform thickness of 1mm for waterproofing and, after hardening (in any case within 24 hours), apply a second coat of HP PU Adhesive with notched trowel.

D. Installing the tiles:

The tile must be absolutely dry & apply firm pressure to the tiles to ensure good contact and covering of back and if the layer of fresh HP PU Adhesive is also to act as a waterproofing membrane, make sure that any ribs and lugs do not go through the layer.

If HP PU Adhesive is used for installation onto particularly deformable substrate. All covering larger than 5*5 cm must be installed with wide joints.

The open time of HP PU Adhesive is 35 minutes under normal temperature & humidity and adjustment time is 35 minutes any adjustment must be carried out within 35 minutes from installation.

The setting time is strictly tied to the ambient temperature.



Waterproofing & Tiling in bathroom & swimming pool



Tiling over wooden surface



Stone fix by spot fixing

Grouting and sealing

Joints between tiles can be grouted after 12 hours with the appropriate HP Cementitious grout or epoxy grout available in a variety of different colours.

Expansion of joints must be sealed with the HP Sealant.

Cleaning

Tools, buckets and clothes can be easily cleaned with alcohol before hardening set.

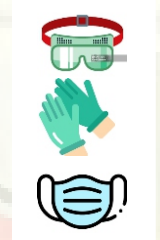
Storage and Shelf life

HP PU Adhesive is stable for at least 24 Months from the date of Mfg in original closed packaging.

Note: - Component B (Hardener) must be store in warm place to avoid crystallization during cold weather (at least +10°C). If crystallization occurs re-dissolve by warming before use.

Health Precautions

1. This product contains Resin & silica can be irritating to eyes and skin.
3. Avoid eye contact and prolong contact with skin & Wash thoroughly after handling.
5. Do not breath dust; wear a P2 type respiratory mask.
6. Gloves, Goggles and Dust mask should be worn.
7. If eye contact occurs flush with water for 15 minutes and consult with physician.
8. **Product only for professional use, Keep out of reach of children's.**



For further and complete information about the safe handling of our product please refer to the latest version of our material safety data sheet.

Not to be

Do not use HP PU Adhesive for transparent glass materials.

The packs are pre-measured, therefore mixing error's is impossible. Do not use partial other quantities.

A wrong mixing ratio could cause damage during the curing process.

Customer Care



Cooperate Office:

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Remark: The directives contained in this documentation are the result of our experiments and have submitted in good faith. Because of the diversity of the materials and substrates and the great number of possible application which are out of our control, we cannot accept any responsibility for the results obtained. In every case it is recommended to carry out preliminary experiments.

