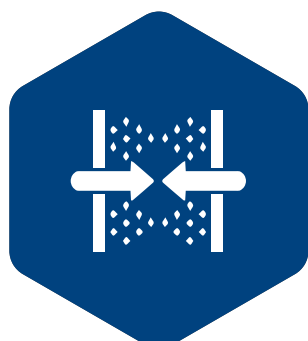


# ULTRON FLEXI TILE ADHESIVE TS92

2K PU-Based Tile Adhesive for Metal,  
Plywood, and Drywalls



EASY TO CLEAN



NON-SHRINKING



ECONOMICAL



NON-CRACKING



LOW VOC



UNIFORM COLOUR

## INTRODUCTION

**Ultron Flexi Adhesive TS92** is a two-component, ready-to-mix polyurethane-based, flexible, multipurpose, thinset adhesive for all types of tiles, like ceramic, semi-vitrified tile and stones, including composites, engineered stone, metal, and glass tiles, on a variety of substrates, including metal surfaces and drywall boards. It is suitable for interior and exterior walls and floors for tile fixing. It has excellent adhesion to a wide variety of substrates, such as cement-based substrates, metal substrates, epoxy/PU-based substrates, drywall boards, rubber, PVC, plywood, wood derivatives, etc. Its non-sag properties are specifically formulated for large overhead and vertical repairs. It may be used at temperatures between 10 °C and 40 °C. It conforms to class R2T as per EN 12004:2017 and Type 5 'T S2' as per IS 15477:2019.

### Technical Data

Form of pack(A)	Off white paste
Form of pack(B)	Viscous Liquid
Mixing Ratio (Liquid and Powder) by wt.	9.1 part of Part A mix with 0.90 parts Part B
Consistency of mix	Smooth Thick Paste
Mixed Density	1.70 ± 0.1 kg/ litre
Solid Content, %w/w (Part A)	More than 99.5
Solid Content, %w/w (Part B)	More than 99.5
Pot life @ 27±2°C, Minutes	60 Min. approx.
Slip Resistance (T) (IS 15477: 2019)	≥ 0.5 mm
Open Time (IS 15477: 2019) 2kg load applied for 30sec	60 Min. approx.
Tensile Adhesion at Dry Condition (IS 15477: 2019)	Min. 2.0 N/mm <sup>2</sup>
Tensile Adhesion at Wet Condition	≥ 1.0 N/mm <sup>2</sup>
Shear Adhesion at Dry Condition (IS 15477: 2019)	Min. 6.0 N/mm <sup>2</sup>
Shear Adhesion at Wet Condition	≥ 4.0 N/mm <sup>2</sup>
Heat aging condition, (IS 15477: 2019)	≥ 3.0 N/mm <sup>2</sup>

## METHOD OF USE

### Surface Condition

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Careful surface preparation is essential for optimum finish and durability. The surfaces should be free from dust, dirt, grease, curing compounds, shuttering oil, contamination, etc. If gaps have dust or dirt, which can be removed by compressed air jetting, Remove dirt and dust from the tile surface by cleaning with a sponge. This can be done by scraping, grinding, sandblasting with sandpaper, or any other approved method. Do not leave water standing in joints. Do not clean tiles with acidic cleaners. Remove excess water before applying the tile adhesive. The surface should be brought to a dry condition.

### Mixing

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It consists of a resin and a hardener, packaged separately. The material is supplied in two parts, which are pre-measured. Empty the entire contents of Part A and Part B into a clean mixing pail or a clean and dry substrate. With a slow-speed drill, margin trowel, or putty blades, mix until the liquids are completely blended. Do not change its mixing ratio. Mix for at least 3 to 5 minutes, and keep the material for 5 minutes. To avoid air entrapment in the mix, rpm should not exceed 400 rpm. Another container can be used for mixing.

### Application Method

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Ultron Flexi Adhesive TS92 can be applied by a trowel, putty blades, spatula, or with hands protected by gloves to cement or concrete surfaces to a thickness of about 2 to 3mm (or the desired thickness) using a trowel or blade. Fix the tile, marble, or granite within 60 minutes after the application of adhesive. For the fixing of tiles or substrate, 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 a rubber mallet to imbed tile and ad ust level. The excess material that comes from the joint under compression must be removed by using a scraper or another suitable tool.

### Cleaning

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Clean all tools with MEK, Xylene, or any standard solvent before the hardening process starts.

### Shelf Life & Storage

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18 months from the date of manufacturing when dry and cool above +10°C to +40°C in the original unopened packaging.

### Coverage

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0.35-0.45 m/kg/1.5mm thick bed (recommended consumption may vary depending upon the substrate or application conditions).



## Advantage

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- Ultron Flexi Adhesive TS92 provides reliable protection against pathogenic fungi and mould, which is not unimportant since mould is harmful to human health.
- Water, freezing, and thermal shock resistance.
- Not susceptible to chemical attack; does not enter into dangerous reactions with other chemical elements.
- High flexibility and high bond strength.
- Suitable for fixing all tiles and stones, including wood, metals, rubber, PVC, and linoleum.
- Suitable for wet areas—especially important when tiles are in areas exposed to moisture, such as swimming pools.
- Maintaining the perfect look in all weather conditions during active use.
- Useful for bed thicknesses of 3-6mm. May go up to 10 mm to a limited extent.
- Extended Open Time • Lack of need for updating.
- The ability to replace tile glue, which is important for mosaics or panels,.
- Harmful to humans after drying.

## Precautions

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- Do not increase or decrease its mixing ratio beyond the recommendation.
- Keep chemical containers closed. Dust and vapour may escape from an open container, while gases and suspended material may penetrate it, causing the nature of the chemical to change. This will also avoid unnecessary exposure.
- Do not return chemicals to their original packaging. An incompatible mixture may accidentally be formed.

## Safety

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- Wear the appropriate PPE when handling it.
- Never eat, drink, smoke, or apply cosmetics while working.
- Wash work clothes separately from street clothes, or wear disposable clothing. Wash your body thoroughly after using chemicals and before eating, drinking, smoking, or using the restroom.

## Packing

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4 kg.

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COMPOUND



REPAIR MORTAR



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GROUTING  
COMPOUNDS



FLOOR  
HARDENERS



CONCRETE  
ADMIXTURES

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