

# ProPave Mortar

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# Fibre Modified Cement Binder

20kg

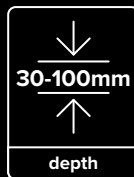


## ProPave Mortar

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## Fibre Modified Cement Binder

- For use with type 1 hardcore
- Fast Track Installation
- Fibre reinforced for added strength and durability
- Simply mix with Sharp Sand and water
- Dual-mix ratio for heavy or light trafficked areas
- Maintains porosity to facilitate drainage
- Approved for use with Porcelain and Natural Stone



**ULTRA**<sup>®</sup>  
**TILE**

# TECHNICAL DATASHEET

**UltraTile ProPave Mortar** is a fibre modified cement binder which, when mixed with graded aggregates and water, can produce a rapid drying high strength bedding mortar ready to receive floor finishes such as Porcelain/natural stone tiles etc. UltraTile ProPave Mortar can be used to form falls within patios, driveways.

## USES

Can accept light foot traffic after 12 hours. For highly trafficked areas such as drives and paths, curing will require a least 24 hours in good conditions.

- Rapid reinstatement where early trafficking is required.
- Suitable for Porcelain/ Natural Stone tiles.
- Suitable for external use.
- Patching and repairing

## MIXING

UltraTile ProPave Mortar, aggregates and water can be mixed using mechanical mixers such as, concrete pan mixer, forced action mixer, screw mixer or pressurized screed pump. Where it is not possible to use a mechanical mixer and mixing by hand is required, it is recommended to thoroughly dry mix the UltraTile ProPave Mortar with the aggregates. Then adding water in small increments whilst mixing until a "damp earth" mix is achieved, typically 5 minutes. The mortar should hold together when formed into a ball.

## RECOMMENDED MIX DESIGN RATIO IS

6:1 aggregate: UltraTile ProPave Mortar (Domestic Patios)

UltraTile ProPave Mortar binder	285 kg/m <sup>3</sup>
0/8 mm Aggregate	1715 kg/m <sup>3</sup>
Water	100 kg/m <sup>3</sup>

4:1 aggregate: UltraTile ProPave Mortar (Driveways and trafficked areas)

UltraTile ProPave Mortar binder	400 kg/m <sup>3</sup>
0/8 mm Aggregate	1600 kg/m <sup>3</sup>
Water	100 kg/m <sup>3</sup>

**Note:** Water addition may vary depending on moisture content of the aggregate being used.

## APPLICATION

All correctly prepared substrates are suitable for receiving an UltraTile Mortar. External tiling would be a sub-base of 100mm of type one compacted stone. This is made up of one 50mm layer of compacted stone, followed by a second 50mm layer, giving a compacted depth of 100mm. Once this has been achieved, a minimum thickness of 30mm bed of UltraTile ProPave Mortar and aggregate can be applied. For driveways and heavy trafficked areas we recommend a minimum bed depth of 60mm. Once bedding mortar has been laid, the reverse side of the porcelain or stone will require a coat of Instarmac slurry primer, this should then be positioned on to the bedding mortar ensuring wet on wet contact. For use with driveways and trafficked areas, we recommend a 4:1 ratio due to loading. For use on Domestic Patios, a 6:1 ratio is sufficient.

## PRECAUTIONS

Wall types vary considerably but all have the same basic need to be structurally sound, strong, smooth and level. It is essential that the wall to be tiled has sufficient inherent strength to hold the proposed tile and the adhesive being used. The following chart lists maximum national standard loadings for a variety of wall substrates:

- Do **NOT** mix UltraTile ProPave Mortar with other cements or binders
- Do **NOT** dry mix with aggregate and leave
- Do **NOT** overwater UltraTile ProPave Mortar
- Do **NOT** add water or re-agitate the mortar once setting has started
- Do **NOT** use fine sand - only use aggregate grading as in BS EN 13139 (0/8)
- **USE** the UltraTile ProPave Mortar as soon as it is mixed

## CURING AND DRYING

All curing and drying times are based on good site conditions i.e. an air temperature of 20°C, air humidity of 65% RH and good ventilation. Sites that

are cold, humid or damp or in areas where the airflow is poor, will prolong drying and curing times, so allowances should be made accordingly. Applications to non-absorbent substrates and at thicker application depths will take longer to dry.

## COVERAGE (4:1)

Consumption varies depending on thickness of the bedding mortar and the dosage of UltraTile ProPave Mortar. A 30mm layer of ProPave Mortar will cover 1.65m<sup>2</sup> per 20kg bag.\*

## CLEANING

Tools should be thoroughly cleaned in water to remove excess materials immediately after use.

## STORAGE

Store in a dry place at temperatures between 5°C and 25°C.

## SHELF LIFE

If stored correctly and used within 8 months of the date shown on the bag, the reducing agent activity will be maintained and this product will contain, when mixed with UltraTile ProPave Mortar, no more than 0.002% (2 ppm) soluble Chromium (VI) of the total dry weight of the cement. Shelf life in correctly sealed bags is 8 months. Please note: the use of this product after the end of the declared storage period may increase the risk of an allergic reaction.

## TECHNICAL DATA

Density of mix (kg/m <sup>3</sup> )*	2100 (approx.)
Pot life of mix (minutes)	60
Light foot traffic (hour)	12

\*Dependent on type of aggregate and mix ratio used.

## HEALTH & SAFETY

Please ensure that appropriate PPE is used when preparing, mixing and applying products. Always wash your hands before consuming food and make sure that materials are kept safely out of reach of children and animals. Please dispose of packaging and waste responsibly and in accordance with local authority requirements. A full material datasheet relating to this product is available from [instarmac.co.uk](http://instarmac.co.uk).

## QUALITY ASSURANCE

All products are manufactured in a plant whose quality management system is certified / registered as being in conformity with BS EN ISO 9001, ISO 14001 and ISO 45001. Our products are guaranteed against defective materials and manufacture and will be replaced or money refunded if the goods do not comply with our promotional literature. We cannot however accept responsibility arising from the application or use of our products because we have no direct or continuous control over where and how products are used. All products are sold subject to our conditions of sales, copies of which may be obtained upon request.

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