



# Joint Fix

## Liquid Sealer/Sand Stabiliser

### Applications

Ultrascape Joint Fix is a resin based liquid surface and sand joint sealer. The product has special properties, which allow it to bond sand in the joint whilst still maintaining a degree of flexibility. When applied to the surface of most concrete / clay pavement materials Ultrascape Joint Fix also acts as a surface sealer to reduce staining from oils and foodstuffs. Ideal for flexible construction, Ultrascape Joint Fix provides an aesthetically pleasing durable pavement finish for town centres, pedestrian schemes, airport taxiways, driveways, garage forecourts, etc.

### Surface Preparation

On newly laid projects, Ultrascape Joint Fix should be applied during pavement construction. This will ensure minimum preparation is required. On established paving, remove all dirt, debris, weed growth, oil and any other contaminants. This can be achieved by sweeping, washing or degreasing. Existing projects will need more aggressive cleaning in order to remove 20mm – 30mm of existing joint sand, as Ultrascape Joint Fix cannot be applied to old jointing sand.

### Jointing Sand Application

Ultrascape Joint Fix must be absorbed within the jointing sand to ensure an effective elastic seal. Achievement of this penetration relies upon sand and blocks being completely dry at the time of application. If the sand is damp or wet, absorption of the Ultrascape Joint Fix liquid will not take place. Consideration must be given to substrate moisture content, which will affect joint sand, as well as recent weather conditions. The product should only be applied when a dry period is forecast for the next 5 hours. Do not apply Ultrascape Joint Fix at temperatures above 30°C or below 5°C or when dewpoint is likely to be achieved. Drying times are affected by ambient and surface temperatures.

The successful use of Ultrascape Joint Fix depends on the correct application of the jointing sand. Jointing sand should be dry with <5% moisture content and conform to BS7533 Recommendation for laying course material and jointing material grading.

#### Grading requirement for jointing sand

Sieve Size	Percentage passing each sieve (%)
5.00mm	100
2.36mm	100
1.86mm	95-100
600µm	50-100
300µm	15-60
150µm	0-15
75µm	0-3

Jointing sand should be applied by brushing it into place with a soft broom. Joints should be filled with at least 25mm - 30mm of approved sand (see table above). This typically applies to refurbishment of existing pavements. New construction should be filled at 100% joint depth.

Ultrascape Joint Fix will accommodate widths of between 2mm-20mm. Always remove residual sand from chamfer or top of setts/blocks. Application of Ultrascape Joint Fix will bond sand, making removal at a later stage difficult.

### Application of Joint Fix

Always ensure the correct PPE is worn prior to commencing application. Check that all drains are covered to prevent unwanted escape of product. It is also advisable to protect grass and other planted areas. Smoking should not be permitted whilst using the product. Ensure there are no naked flames or smoking in the vicinity of application as Ultrascape Joint Fix is flammable.



### Features & Benefits

- Stops loss of jointing sand through washing, sweeping or natural erosion due to exposure to the elements
- Prevents water ingress and substrate frost damage
- Reduces staining from oils, foodstuffs and general spillage
- Maintains elasticity of joints in flexible construction
- Inhibits weed and moss growth
- Part of the Ultrascape Streetscape System, which guarantees compatibility and reduces split liability



### Related Products

- Ultrascape Pro-Bed HS Fine Bedding Concrete
- Ultrascape Pro-Prime Slurry Primer
- Ultrascape Flowpoint Flowable Rapid Set Grout
- Ultrascape Cempoint Gun Injected Pointing Mortar
- Ultrascape EP-R9 Epoxy Resin Bedding & Concrete Repair Mortar



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Transfer the product from its container into a watering can with a fine rose. Apply to the surface at the following rates: based upon 100 x 200 CBP with joint widths of 2mm-4mm = 1 liter per 2m<sup>2</sup> per coat. Note that type and porosity of pavements will affect absorption. Trials should be carried out to gauge exact yield.

Once the liquid has been applied to the pavements, use a squeegee or similar to work well into the surface. Work at a 45-degree angle across the joints. Care should be taken not to disturb jointing sand. Always clean areas from unwanted splashes or spillages immediately.

Drying times of first coat:	120 minutes*
Overcoat time:	3 hours (touch dry)*
Accepts pedestrian traffic after	3 hours*
Accepts vehicular traffic after	18 hours*

\*All tests carried out at 20°C. Drying times are affected by temperature. Warm temperatures accelerate, cooler temperatures retard product performance.

**Note:** Ultrascape Joint Fix may change the appearance of surfacing materials. This change of colour and finish will dull when trafficked. It is advisable to carry out a test on a discrete area prior to wholesale application.

### Health & Safety

Keep container closed when not in use. The product is flammable and must be kept away from ignition sources. Avoid inhalation of fumes. Ensure work is carried out in well-ventilated areas with appropriate local extraction. The use of protective clothing including gloves, goggles and respiratory equipment are recommended. The product can be removed from the skin by washing thoroughly with soap and water. If swallowed do not induce vomiting and seek medical attention. In case of contact with eyes rinse immediately with water and seek medical advice. For a full updated Material Safety Data Sheet please visit [www.instarmac.co.uk](http://www.instarmac.co.uk)

### Physical Properties

#### Typical Chemical Resistance Properties

Reagent	Rating (out of 5)
0.1M KOH	5
Acetic Acid	5
House Bleach	5
0.1M HCl	5
Water	5
Acetone	4
Petrol	5
Diesel	5
IPA/Water	4
Skydrol	2

#### Typical Film Properties

Elongated at Break	ca. 250%
UTS	ca. 16 MPa
Persoz Hardness	135
Touch Dry Time	30 minutes
B K Drying Time	ca. 2 hours

#### Resistance

Abrasion Resistance	Ultrascape Joint Fix surface treatment may be classified as "Special", in accordance to BS8204: Part 2: 2002
Slip Resistance	The slip resistance, as measured by PTV, for Ultrascape Joint Fix surface treatment is high, and satisfies the requirement of BS 8204: Part 2: 2002
Stain Resistance	Ultrascape Joint Fix also prevents staining from ketchup, red wine, vinegar, coffee, mustard, and blackcurrant juice

#### Product Details

Unit/Packaging	25 litre metal drums
Storage	Containers should always be kept upright and tightly sealed to avoid leaking. Open only when ready for use and reseal part used containers after use. Store in a well-labeled container, flammable liquid storage. Store away from heat and naked flames
Shelf Life	Under appropriate conditions the material has a shelf life of at least 12 months in original closed containers
Colour	Clear Liquid Resin Please be aware that there may be a colour variance after application causing it to appear approximately 10% darker

### Contact Us

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