



# Flowpoint

## Rapid Set Grout

### Applications

Ultrascape Flowpoint is a rapid set grout with high fluid consistency for early trafficking that conforms to the strict demands of BS 7533 parts 7 & 12. Ultrascape Flowpoint is ideal for all pavements where a rigid or bound void-free joint is required. The product is suitable for application in town centre pedestrian schemes, pathways and carriageways, and can be used with natural stone, concrete flags and clay pavements.

### Technical

Ultrascape Flowpoint is a fully pre-mixed dry-pack which only requires the addition of water on site. Ultrascape Flowpoint can fill joints from 5mm-50mm and joint depths of up to 200mm in one pour. This highly fluid grout achieves a final compressive strength of 49.6N/mm<sup>2</sup> (results achieved using 4.25 Litres of water per 25kg bag), and will reach initial set in 30 minutes, will accept light foot traffic after 1 hour, and vehicular traffic after 4 hours (dependent upon temperature).

### Mixing and Application

**Once the paving is ready to receive the grout the following method must be adhered to:**

Immediately prior to jointing it must be ensured that the joints are free from debris and all ponded water removed. The paving surface and joints must be pre-soaked and kept wet until the jointing process has been completed. A 25kg bag requires 4.25 litres of water and must be mixed for between 3 and 5 minutes until a smooth lump-free consistency has been achieved.

Apply the mortar without delay. Do not store liquid mortar other than in transit from mixer. It must be carefully forced into the joints using a suitable rubber squeegee. The mortar should be constantly moved over the surface to repeatedly top up joints in which the mortar may have slumped following initial placement. Use the rubber squeegee to remove as much mortar as possible from the surface. The surface must be kept constantly moist using a soft spray of water.

When the jointing mortar has hardened sufficiently or achieved its initial set the paving surface must be cleaned using a brush and copious amounts of water. Cleaning must be carried out thoroughly and no mortar must be allowed to remain on the surface of the paving.

### Precautions

Wash all tools frequently. Mix only enough material to apply in 4 minutes. Never remix or add extra water. Wear protective clothing. Avoid skin and eye contact - wet cement can burn the skin. Cool temperatures retard, warm temperatures accelerate.

### Health & Safety

Operatives should wear protective clothing and work in well-ventilated conditions. This product contains Portland cement which, when mixed with water is alkaline and may in some cases cause skin irritation. If product enters the eyes, wash thoroughly with water and seek medical advice. In common with all powder products, the material should be mixed carefully to avoid the raising of dust. For a full updated Material Safety Data Sheet please visit [www.instarmac.co.uk](http://www.instarmac.co.uk)



### Features & Benefits

- Open to foot traffic in 1 hour
- Open to vehicular traffic in 4 hours
- Rapid setting
- Exceptional bond strength
- Shrinkage compensated
- Mixes quickly on site with water
- Initial set after 15 minutes at 20°C
- Economical to use
- Conforms to BS7533
- Ideal for large-scale projects
- Part of the Ultrascape Streetscape System, which guarantees compatibility and reduces split liability



### Related Products

- **Ultrascape Flowpoint ECO** Rapid Set Grout with Recycled Glass
- **Ultrascape Pro-Prime** Slurry Primer
- **Ultrascape Pro-Bed HS** Fine Bedding Concrete
- **Ultrascape Cempoint** Gun Injected Pointing Mortar
- **Ultrascape Joint Fix** Joint Waterproofing and Surface Sealing Liquid Resin
- **Ultrascape EP-R9** Epoxy Resin Bedding & Concrete Repair Mortar

continued



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### Physical Properties

Test Age	Compressive Strength*	Flexural Strength*	Tensile Strength*	Bond Strength
2 hours	10 N/mm <sup>2</sup>	-	-	-
4 hours	12 N/mm <sup>2</sup>	-	-	-
24 hours	14 N/mm <sup>2</sup>	4 N/mm <sup>2</sup>	1.69 N/mm <sup>2</sup>	-
3 days	15 N/mm <sup>2</sup>	-	-	-
7 days	25 N/mm <sup>2</sup>	4.5 N/mm <sup>2</sup>	2.65 N/mm <sup>2</sup>	-
28 days	49.6 N/mm <sup>2</sup>	7.1 N/mm <sup>2</sup>	3.91 N/mm <sup>2</sup>	>1.5 N/mm <sup>2</sup>
Shrinkage	0.06			
Workability	5-15 minutes *			
Modulus of elasticity	19200 N/mm <sup>2</sup>			
Setting time	30 minutes *			

\*Depending on temperatures – test carried out at 20°C. Cool temperatures retard, warm temperatures accelerate product performance.

### Product Details

Unit/Packaging	25kg paper bags delivered on shrink-wrapped pallets
Storage	Store in closed original container at temperatures between 5°C and 30°C. Avoid frost. This product must be stored in unopened bags, clear of the ground in cool dry conditions and protected from excessive drafts. If stored correctly and used within 6 months of the date shown on the bag, the activity of the reducing agent will be maintained and this product will contain, when mixed with water, no more than 0.0002% (2 ppm) soluble Chromium (VI) of the total dry weight of the cement
Coverage	72 bags = m <sup>3</sup> Please visit <a href="http://www.ultrascape.co.uk">www.ultrascape.co.uk</a> for a free online product calculator
Yield	13.9 litres (approximately) per 25kg bag
Shelf Life	Shelf life from date of manufacture in correct for sealed bags is 6 months. Please note: the use of this product after the end of the declared storage period may increase the risk of an allergic reaction
Colour	Natural Grey & Charcoal

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