








flowpoint tropical

flowable rapid set grout

FEATURES & BENEFITS

-  For use in hot climates
-  BS 7533 Compliant
-  Joint width: 3-50mm (smooth grade) or 5-50mm (standard & eco)
-  Depth: 20-200mm
-  Open to pedestrian traffic: 1 hour
-  Open to vehicular traffic: 4 hours
-  Set time: 15 minutes



APPLICATIONS

UltraScape flowpoint tropical has been formulated for use in hot climates and can be applied in temperatures in excess of 30°C. It is available in 3 grades, standard, eco (containing 20% recycled glass) and smooth (for a seamless finish). It has a high fluid consistency for early trafficking that conforms to the strict demands of BS 7533. It 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 pavours.

TECHNICAL

UltraScape flowpoint tropical is a fully pre-mixed dry-pack which only requires the addition of water on-site. It can fill joints from 3-50mm (smooth grade) or 5mm-50mm (standard/eco grade) wide with a minimum target depth of 20mm, up to 200mm in one application. This highly fluid grout achieves a final compressive strength of 49.6N/mm² (results achieved using 5 litres of water per 25kg bag), and will reach initial set in 15 minutes at 30°C, will accept light foot traffic after 1 hour, and vehicular traffic after 4 hours (dependent upon temperature).

MIXING

Mixing should be carried out using a drill and grout paddle, or a suitable forced action mixer. Place up to 5 litres of clean water into the mixing vessel and slowly add the entire contents of the 25kg

bag of material. Mix for between 3 and 5 minutes. The resulting consistency should be smooth and lump free. In situations where falls need accommodating, the water addition can be reduced slightly.

PLACING

UltraScape flowpoint tropical is a rapid setting material. In order to ensure efficient placement, the tools and materials required need to be prepared well in advance. UltraScape flowpoint tropical is very fluid; ensure all escape routes are well sealed prior to commencing application. UltraScape flowpoint tropical is typically applied using one of two methods;

Large area application: Mix UltraScape flowpoint tropical as instructed. Pour mixed material directly onto surface and work into joints with a squeegee.

Small area application: Mix UltraScape flowpoint tropical as above and transfer into a suitable vessel. Place spout close to joint opening and pour continuously. The material will flow along the joints reducing the need to follow the joint lines. For best results, adopt a continuous product application. Small spillages can be washed off the surface easily once the material has firmed in the joint.

For both methods, once the joints are filled, move off the area and allow the grout to slightly firm up. This will be visible by the matting of the finish and will take approximately 10-25 minutes depending on temperature. Spray clean water under low pressure to prevent removal of material from joints.

PRODUCT AND TECHNICAL DATA

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 8 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 ³ Please visit ultrascape.co.uk for a free online product calculator.
Yield	13.9 litres (approximately) per 25kg bag
Shelf Life	Shelf life from date of manufacture in correct conditions for 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.
Colour	Natural Grey & Charcoal

HEALTH, SAFETY AND ENVIRONMENTAL

Please ensure that appropriate PPE is used when preparing, mixing and applying products. Always wash 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 safety data sheet relating to this product is available from 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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Test Age	Compressive Strength*	Flexural Strength*	Tensile Strength*	Bond Strength
2 hours	10N/mm ²			
4 hours	12N/mm ²			
24 hours	14N/mm ²	4N/mm ²	1.69N/mm ²	
3 days	15N/mm ²			
7 days	25N/mm ²	4.5N/mm ²	2.65N/mm ²	
28 days	49.6N/mm ²	7.1N/mm ²	3.91N/mm ²	>1.5N/mm ²
Shrinkage	0.06%			
Workability	5-15 minutes*			
Modulus of elasticity	19200N/mm ²			
Setting time	15 minutes at 30°C or 50 minutes at 20°C minutes			

*Depending on temperatures - test carried out at 20°C. Cool temperatures retard, warm temperatures accelerate product performance. As with all raw materials, colour variation may occur. Please note that this does not affect the consistency or characteristics of the enclosed product.