



# ULTRACRETE FLOWPOINT

## Rapid Setting Grout

### TECHNICAL

Ultracrete Flowpoint is a fully pre-mixed dry-pack and only requires the addition of water on site. It can be used from 5mm - 80mm in one pour. Exceptional bond strength is achieved without the use of a primer. It does not contain metallic aluminium, iron or carbon and is chloride free.

### PREPARATION

All surfaces should be free from any contamination of oil, grease, paint etc. Remove all loose particles and work on a sound substrate. Pre-soak the area with clean water. Remove all ponding prior to application of product.

### PROVISION OF JOINTS

Consideration must be given to movement joints within rigid bed construction. It is advisable to note previous joints or areas where serious cracking is evident. Chosen sealants must have an adequate MAF (movement accommodation factor).

### MIXING

Mixing should be carried out using a drill and grout paddle, or suitable forced action mixer.

Place 4.5 litres of clean water into the mixing vessel add the entire contents of the 25kg bag of material and mix for between 3 and 5 minutes. The consistency for general use should be smooth and lump free. In situations where falls need accommodating, the water addition can be reduced slightly.

### PLACING

Flowpoint is applied utilising one of two methods. For small areas, a watering can or similar spouted container is recommended for pouring the material. For larger sections pour over the entire surface with a larger vessel working into the joints using a squeegee as quickly as possible. After application, apply a fine water spray to moisten the surface, clean any excess residue from the area with a suitable method. If employing aggressive techniques to remove surface fine particles this will result in an exposed aggregate finish. A softer cleaning technique will allow immediate removal of surface residue.



A rapid setting grout specially formulated for applications where a fluid consistency and early trafficking are essential, which also meets the demands of BS7533 for rigid construction of streetscape works.

- ◆ Rapid setting
- ◆ Exceptional bonding
- ◆ Shrinkage compensated
- ◆ Open to traffic in 30 minutes
- ◆ Economical in use
- ◆ Manufactured under a Quality Assurance Scheme BS EN ISO 9002: 1994

### RECOMMENDED APPLICATIONS

- ◆ Rapid pointing of granite setts, stone pavements, bollards, balustrading.

Setting new standards in cement, resin and bitumen based products.

## TECHNICAL ADVISORY SERVICE

Instarmac Group plc provides on site consultancy and technical assistance. We are delighted to work closely with Specialist Contractors.

## ANCILLARY PRODUCTS

- ◆ **Cembuild HS**  
Fine bedding concrete
- ◆ **Ultracrete PY4**  
Polyester resin mortar
- ◆ **Cembuild EP-R9**  
Epoxy resin mortar
- ◆ **Cempoint**  
Gun applied pointing mortar

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The initial set will take place after approximately 30 minutes depending upon the temperatures. Please ensure that all escape routes are sealed using wooden shuttering or strong masking tape.

### PRECAUTION

Wash all tools frequently. Mix only enough material to apply in 4 minutes. Never remix or add water. Wear protective clothing. Avoid skin and eye contact. Wet cement can burn the skin!

- ◆ Cool temperatures retard.
- ◆ Warm temperatures accelerate

### TYPICAL LAB RESULTS

Age	Temperature	Compressive Strength	Flexural Strength	Bond Strength
2 hours	20°C	4N/mm <sup>2</sup>	-	-
24 hours	20°C	10N/mm <sup>2</sup>	-	-
3 days	20°C	15N/mm <sup>2</sup>	-	-
7 days	20°C	25N/mm <sup>2</sup>	-	-
28 days	20°C	49.6N/mm <sup>2</sup>	7.10N/mm <sup>2</sup>	1.25N/mm <sup>2</sup>
Shrinkage: 0.6				
Modulus of elasticity = 19200N/mm <sup>2</sup>				
Workability: 5 – 15 minutes*				
Setting Time: 30 minutes*				

*\*Depending on temperature*

<b>Packaging</b>	25kg poly lined bags delivered on plastic covered pallets.
<b>Storage</b>	Store in a dry place at temperatures between 5° - 35°C. Shelf life in correct conditions for sealed bags is 6 months. High temperatures and high humidity will lead to a reduced shelf life.
<b>Yield</b>	13.9 litres (approximately)
<b>Density</b>	2250kg/M <sup>3</sup>
<b>Colour</b>	Light Grey or Charcoal

### HEALTH & SAFETY

This product contains cement which, when mixed with water is alkaline and may cause skin irritation. Operatives should wear protective clothing and work in well-ventilated conditions.

If product enters the eyes, wash thoroughly with clean water. If discomfort continues seek medical advice. In common with all powder products, the material should be mixed carefully, avoiding the raising of dust.



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