



GEO-FIX ORIGINAL

Paving Jointing Compound

Technical Data Sheet



GEO-FIX® RANGE

Description:

Ready to use self setting permanent joint filler for all paving joints over 5mm wide.

Features & Benefits:

- ♦ **GEO-FIX® is unaffected by wind, rain washout and mechanical sweeping equipment.**
- ♦ **Can be used on joint widths of a minimum of 5 mm wide and a minimum of 25 mm deep. Semi-rigid allowing for expansion and contraction of paving.**
- ♦ **No mixing required.**
- ♦ **Brush applied - no special skills or equipment needed.**
- ♦ **Non staining - attractive and neat finish.**
- ♦ **Up to 20 times faster to complete than traditional pointing methods.**
- ♦ **Durable joints which are unaffected by frost, salt UVA and chemicals.**
- ♦ **Resists weed and plant growth between joints.**
- ♦ **Water and air permeable - allows for continued nourishment of tree and plant roots.**
- ♦ **Enables ornate paving patterns and designs to be jointed quickly and effectively.**
- ♦ **Comparable strength to 4:1 mortar when set.**
- ♦ **Fastest curing product in the market.**
- ♦ **Cost effective - saves time and money and no costly maintenance.**

Use

GEO-FIX® Original is a quick and easy way of applying a rigid joint over 5mm wide on all types of paving having joint widths of 5mm and over. Suitable for use with:

- ♦ Indian Stone
- ♦ Concrete
- ♦ Slate
- ♦ Clay
- ♦ Terracotta
- ♦ Granite

Preparation of Substrate

Ensure that the paving to be jointed free from loose dirt, debris, oil, grease, etc. It is essential that joint widths are a minimum of 5mm wide with a minimum depth of 25mm. Deeper joints can be part filled and compacted with dry sand or other dry materials, to the required minimum depth.

****In areas, which are subject to occasional light vehicular traffic it is essential that the paving elements are secured on a Class 1**



mortar and that, a high percentage of the mortar is squeezed up the joint thereby providing support for the paving elements.

GEO-FIX® Original has superior flexural strength compared to mortar, however, joint failure can still occur in this type of situation.

GEO-FIX® Original should be considered for its aesthetic and not its structural properties therefore all paving must be firmly fixed using an appropriate bedding technique to prevent settlement and movement which will have an adverse effect on the jointing material. Where a "wet" fixing technique has been used to bed the paving the mortar must be allowed to dry before application of GEO-FIX® Original.

Similarly if rain has occurred prior to application the joints must be allowed to dry out before the application of GEO-FIX® Original.

Application

A trial area should be carried out in order to ensure that the material, colour and finish meet requirements.

1. Carefully open the vacuum-packed bag and sprinkle GEO-FIX® Original sufficient to cover an area of 2-3m².
2. Using a soft brush, push the GEO-FIX® Original into the joints ensuring that they are filled with the compound. The material **MUST** be compacted into the joints.
3. Compact GEO-FIX® Original into the joints with a suitable tool or by use of a vibrating plate. Top up and compact ensuring a fully compacted and topped up joint before carefully sweeping off any excess with a soft brush ensuring that the material is swept at a 45° angle to the joints.



4. Finish the surface decoratively giving a smooth flat finish with a pointing tool before moving onto the next area to be jointed.

5. Any residue left on the surface when cured can be simply cleaned off by sweeping with a stiff brush. Material or residue that has been left exposed for more than 30 minutes should NOT be used, as it will be adversely affected.

On areas subject to occasional light vehicular traffic. **See details on preparation of substrate for use in such areas*.

Limitations

- **DO NOT USE IN WET WEATHER.**
- Do not use on joints narrower than 5mm.
- Do not use on joints less than 25mm deep.
- Do not use on chamfered/tapered joints.

Size

14Kg recycled plastic tubs containing hermetically sealed
14Kg foil packs.

Colour

Buff and grey.

Shelf Life

GEO-FIX® Original has a minimum shelf life of 24 months when stored in unopened packs in accordance with the manufacturers instructions.

Storage Conditions

Store in a cool dry place out of direct sunlight. Protect the pack from punctures or piercing. Any exposure to air will start the curing process.

Disposal of Containers

Do not leave empty containers where residue could be harmful to children, animals or the environment. Replace lids and remove any containers to a central disposal point in accordance with local regulations.

Health & Safety

Please refer to separate Safety Data Sheet (SDS) for full handling, use and storage instructions. Keep out of reach of children. It is the user's responsibility to determine suitability for use. If in doubt, contact our Technical Department for advice.

Note: this information is for general guidance only, since site conditions and labour are beyond our control.

Watchpoints

The product is supplied in a hermetically sealed bag. If the foil bag feels soft to touch, the vacuum has been broken and the material should not be used. Bags should feel hard but the material inside should be soft and lump free once opened.

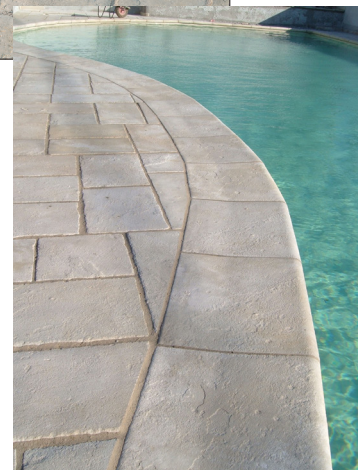
Use Use GEO-FIX® Original within 45 minutes of opening subject to temperature. ** In temperatures exceeding +20°C the material **MUST** be used within 30 minutes of opening the bag. Protect treated joints from rain until fully cured. Any contact with rain or water before the compound has set will adversely affect the product.

Due to natural shade variances in sand occasional colour differences may occur between batches. Where use of multiple buckets are required always use the same batch of material to ensure consistency of colour.

The jointing should not be cleaned by use of high pressure washers until cured for a minimum of 14 days. The distance between nozzles to jointing must be at least 15cm using a fan nozzle.

Specification Summary

Pack	Hermetically sealed 14kg packs
Colour	Buff or grey
Joint Width	min 5mm
Joint Depth	min 25mm
Min Joint	Depth - with light vehicular traffic 40mm**
Compressive Strength	7-8N/mm ² after 1 day; 11-13N/mm ² after 7 days 12-16 N/mm ² ; 18-20N/mm ² after 28 days
Freeze Thaw BCRL:BM2:1993	Exceeds 100 cycles
Working Temperature	-5 to +30°C
Workability Duration	*approx 45 minutes at 20°C and 50% relative humidity working time reduces to 30 mins
Independent test data available on request	



Product / Order Details

Code	Colour	Size	Barcode	UFI
BDGFO14BU	Buff	14Kg	5056437402097	PQ9P-GTJU-Q50V-R7P6
BDGFO14GY	Grey	14Kg	5056437402103	17AP-HTQ7-J5OU-Q95N

Coverage Rates

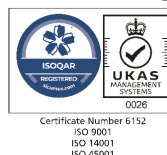
Joint Width	PAVING DIMENSION (with a joint depth of 25mm)		
	450 x 450mm	600 x 600mm	900 x 600mm
5mm	15.4m ²	20.5m ²	24.5m ²
6mm	13.0m ²	17.0m ²	20.5m ²
7mm	11.1m ²	14.7m ²	17.5m ²
8mm	10.0m ²	12.7m ²	15.5m ²
9mm	8.4m ²	11.5m ²	13.8m ²
10mm	7.5m ²	10.3m ²	12.5m ²

Note: The data presented in this leaflet is in accordance with the present state of our knowledge, but does not absolve the user from carefully checking all supplies immediately on receipt. We reserve the right to alter product constants within the scope of technical progress or new developments. The recommendations made in this leaflet should be checked by preliminary trials because of conditions during processing over which we have no control, especially where other companies raw materials are also being used. The recommendations do not absolve the user from the obligation of investigating the possibility of infringement of third parties rights and, if necessary clarifying the position. Recommendations for use do not constitute a warranty, either expressed or implied, of the fitness or suitability of the products for a particular purpose.



Part of the Bond It Geo-Fix® Range

Head Office: Unit H4, Premier Way, Lowfields Business Park, Elland, West Yorkshire. HX5 9HF.
Telephone: +44 (0)1422 315300 **Email:** salesuk@bonditgroup.com
EU Office: SISL (Bond It) Ireland Limited, 70 Sir John Rogerson's Quay, Dublin 2. **Tel:** +353 1 960 9411
Website: www.bonditgroup.com



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