



Specialist Construction Supplies for Repair, Maintenance, Building & Infrastructure

## EASYJoint Data Sheet

### Specification notes

Product: **EASYJoint**

Supplier:

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DESCRIPTION
<p><b>EASYJoint</b> is a unique ready to use self curing jointing material for all types of paving having joints of 3mm and over. <b>EASYJoint</b> is a quick and easy way of applying a permanent joint with no special machinery or equipment required. <b>EASYJoint</b> is suitable for natural stone, concrete, slate, clay, terracotta and granite and can be used in areas subject to light vehicular traffic.</p>
BENEFITS
<ul style="list-style-type: none"> <li>• Supplied ready to use, no mixing required.</li> <li>• Can be applied in virtually all weather conditions.</li> <li>• Unlimited shelf life</li> <li>• Unused product can be kept for future use</li> <li>• Simply brush into joints and compact with water.</li> <li>• Environmentally Friendly – the product contains natural ingredients found in nature, such as plant oils and silica sand. Provided disposal instructions are adhered to, the product poses no particular risks to the environment.</li> <li>• Packaging 100% recyclable</li> <li>• Non staining. Sets hard, wont crack or wash out.</li> <li>• Resists weeds and plant growth.</li> <li>• Totally weatherproof, unaffected by frost.</li> <li>• For all joints of 3mm wide and over.</li> <li>• Water permeable, allows water to escape.</li> </ul>
AREAS FOR USE
<ul style="list-style-type: none"> <li>• Footpaths.</li> <li>• Outdoor patio areas.</li> <li>• Indoor stone floor areas (not “wet areas” – the product is permeable and will allow water through to the sub-base)</li> <li>• Pedestrian areas.</li> <li>• Driveways (up to 3 tonnes load bearing) subject to a suitable foundation and the surface material being adequately bedded.</li> </ul>
LIMITATIONS
<ul style="list-style-type: none"> <li>• Do not use on joints narrower than 3mm.</li> <li>• Joint depth must be a minimum of 25mm (preferably 30mm)</li> <li>• In areas subject to vehicular traffic it is essential that the paving elements are bedded on a class 1 mortar and a high percentage of the mortar is squeezed up the joint, thereby providing support and stability for the paving elements in order to withstand twisting forces, but maintaining at least a 25mm depth for the compound.</li> <li>• <b>EASYJoint</b> should be considered for its aesthetic and not its structural properties. There should be no reliance on <b>EASYJoint</b> to form a structural element to the paving project.</li> <li>• The jointing should not be cleaned by use of high pressure washers until cured for at least 14 days. The distance between nozzle and jointing must be at least 10cm.</li> <li>• Always follow the manufacturer’s instructions carefully. As the company cannot be aware of all the applications and materials the product may be used on, it is the users responsibility to determine suitability for use.</li> </ul>
SURFACE PREPARATION
<p>Ensure that the paving to be jointed is clean and free from loose dirt, oil, debris and grease etc. it is essential the joint widths are a <b>minimum</b> of 3mm wide with a <b>minimum</b> depth of 25mm (preferably 30mm). Deeper joints can be filled with dry sand or other materials to meet the required minimum depth.</p>

## APPLICATION

**EASYJoint** is supplied ready to use and does not require any further mixing or addition of other materials. There are two methods of laying **EASYJoint**.

### Method 1 - Wet Application Method (recommended and strongest method)

**Note:** Whilst this is the preferred method of application it should **not** be used when the ground temperature is below zero. Use the second method described further on in this section.

1. Thoroughly wet the area to be jointed – **the wetter the better**. Don't worry about water laying in the joints – it will be displaced by the **EASYJoint** as it is laid.
2. Carefully open the vacuum packed bag and sprinkle about half the contents over the area to be jointed. Using a brush or squeegee, sweep the **EASYJoint** across the paving and into the joints ensuring they are filled with the material. Continue applying the **EASYJoint** an area of approximately 10 - 15M<sup>2</sup> has been laid.
3. Flush the compound into the joints with water using a hose on a spray setting. This compacts the compound into the joint ensuring the gap is completely filled. It also aids cleaning the surface.
4. Top up any sagging joints with more **EASYJoint**. Re-flush with water, as before.
5. Repeat steps 2, 3 and 4 until the whole paving area is complete.
6. To finish off, again gently spray the paving as a final compacting and cleaning process.
7. Allow all the water to drain away and the paving to dry out.
8. **Optional.** For a smoother finish to the joint, once the paving is dry and the joints are free from water "point" the joint with a suitable jointing iron or trowel.
9. There is no need to protect treated joints from rain or frost whilst setting although the presence of rain will delay the setting process. **EASYJoint** only cures when it is dry – therefore rain will slow down the process. If heavy rain has occurred when the joints have been pointed, then it may be necessary to re-visit the job once the weather has cleared to touch up any damaged joints.
10. Any residue left on the surface when cured can be simply cleaned off by sweeping with a stiff brush diagonally to the joint.

More information and photographs of the process are available on the website – [www.easyjoint.eu](http://www.easyjoint.eu)

### Method 2 - Dry Application Method (only for use when applying in temperatures at or below freezing)

1. **Do not wet the surface prior to application.** The freezing temperatures may cause ice to form in the joints thereby stopping the compound fully settling into the joint.
2. Carefully open the vacuum packed bag and sprinkle about half the contents over the area to be jointed. Using a brush or squeegee, sweep the **EASYJoint** across the paving and into the joints ensuring they are filled with the material. Continue applying the **EASYJoint** until all of the paving has been jointed.
3. Once the whole area has been jointed it is possible to apply a spray of water to aid cleaning the surface and to compact the joints. It does not matter at this stage if ice forms on the surface – the compound is now sufficiently embedded in the joint not to cause problems.
4. Top up any sagging joints with more **EASYJoint**. Re-flush with water, as before
5. **Optional.** For a smoother finish to the joint, once the paving is dry and the joints are free from water "point" the joint with a suitable jointing iron or trowel.
6. There is no need to protect treated joints from rain or frost once the product is in the joint. However, as with the Wet Method, rain and cold weather will delay the setting process. **EASYJoint** only cures when it is dry – therefore rain will slow down the process. If heavy rain has occurred when the joints have been pointed, then it may be necessary to re-visit the job once the weather has cleared to touch up any damaged joints.
7. Any residue left on the surface when cured can be simply cleaned off by sweeping with a stiff brush diagonally to the joint.

More information and photographs of the process are available on the website – [www.easyjoint.eu](http://www.easyjoint.eu)

## SETTING TIMES

The times indicated are based on temp's. of 20°C and 65% humidity - Cold/wet weather increases the setting times - warm/dry weather decreases them. Read on for a greater understanding.

**EASYJoint** is a compound that is oxygen cured. It therefore needs air to start and complete the setting process. Inclement weather conditions will not prevent the use or application of **EASYJoint** but it will affect the time it takes for the compound to cure and set hard.

Cold conditions can increase the setting time considerably - freezing weather will cause the process to slow down and it can take many days for the joints to set hard. Whilst it may be slow in setting, it will eventually

go hard and the cold weather and frost will not have impaired its qualities in any way.

Similarly, whilst **EASYJoint** is wet, either through rainfall or the application of water whilst laying it, the setting process will be suspended. Prolonged periods of rain, or several intermittent showers may considerably extend the setting times indicated. But again, whilst it may slow the setting process, it will eventually set hard and the rain will not have impaired its qualities in any way.

To summarize, in temperatures of 20°C and with humidity of 65%, the joint needs to be free from water for about 24 hours for the curing process to complete.

In warm & dry weather as indicated, pedestrian areas are safe to walk on after approximately 12 - 18 hours and will set hard after approximately 24 hours. It will be fully load bearing after approximately 3 days of consistent warm and dry weather. More time should be allowed for vehicular driveways (up to 3 tonnes loading) – once the joint is set hard to the touch, allow a further 7 days before allowing traffic on it.

In cold and/or wet conditions, the curing time can be delayed by several days. It will, however, eventually cure without any impact on its structural or aesthetic properties.

Note: **EASYJoint** continues to harden for several weeks and achieves its full strength after about 3 to 4 weeks.

### USAGE PRECAUTIONS

For Health and Safety matters, refer to the Safety Data Sheet, available as a download from [www.easyjoint.eu](http://www.easyjoint.eu)

If used wet, **EASYJoint** should not mark or change the appearance of the paving material. However, if insufficient water is applied prior to and during the jointing process, or if the Dry Method of application is used, one or more of the following may result:

1. A slight sheen may appear on some or all of the paving, caused by the natural plant oils being absorbed into the material
2. "Flecking" (the appearance of dark spots, like freckles), may occur.
3. The paving material may change in colour (generally deepen)

Effects 1 and 2 will, in virtually all instances, fade away with natural weathering and use, although no guarantees of this are given or implied nor can any timescale be estimated as every case is individual. Any change in colour of the paving is likely to be permanent.

When working with natural stones, particularly porous stone such as Fossil Mint and some darker coloured materials such as Raj Green Sandstone or Black Limestone, the residues may be particularly pronounced and may take much longer to fade.

**If in any doubt test a sample before use.**

The liberal application of water prior to and during the application will virtually eliminate the possibility of any of these issues arising although no guarantees of this are given or implied.

Neither the manufacturer or supplier accepts any liability for any changes in the appearance of the paving resulting from the use of **EASYJoint**.

### COVERAGE (the figures given below are approximate quantities required)

Paving Size (mm)	Joint Size 30 x 5 (mm)	Joint Size 30 x 8 (mm)
600 x 600	13 - 14 M <sup>2</sup> /Tub	8.25 – 9 M <sup>2</sup> /Tub
600 x 450	11.25 – 12 M <sup>2</sup> /Tub	6.75 – 7.25 M <sup>2</sup> /Tub
450 x 450	9.75 – 10.5 M <sup>2</sup> /Tub	5.75 – 6.25 M <sup>2</sup> /Tub
600 x 300	9 – 9.75 M <sup>2</sup> /Tub	5.25 – 5.75 M <sup>2</sup> /Tub
450 x 300	7.75 – 8.25 M <sup>2</sup> /Tub	4.75 – 5.25 M <sup>2</sup> /Tub
450 x 225	6.5 – 7.25 M <sup>2</sup> /Tub	4 – 4.5 M <sup>2</sup> /Tub
300 x 300	6.5 – 7.25 M <sup>2</sup> /Tub	4 – 4.5 M <sup>2</sup> /Tub
225 x 225	4.75 – 5.5 M <sup>2</sup> /Tub	3 – 3.5 M <sup>2</sup> /Tub

SPECIFIC DATA			
Material	Ready to use kiln dried quartz sand, suspended in plant oils and organically prepared on the basis of soaked liquid polybutadiene.		
Density (approx)	1.80 g/cm <sup>3</sup>		
Colour	<ul style="list-style-type: none"> <li>• Buff Sand (Light Golden Beige)</li> <li>• Stone Grey (Mid Grey)</li> <li>• Basalt (Very Dark Grey – almost Black)</li> <li>• Mushroom (Soft Beige)</li> <li>• Jet Black</li> </ul> <p>Note – these are natural sands and are not coloured with dyes of any kind</p>		
Storage	See Storage section below		
Packaging	12.5kg vacuum packed and hermitically sealed contained with a robust sealed bucket		
Joint width	Minimum 3mm		
Min joint depth with foot traffic	Minimum 25mm (preferably 30mm)		
Min joint depth with light vehicular traffic	Minimum 30mm (subject to a solid base)		
Working temperature	0 to +40 degrees C* * Can be used at sub 0 degrees but only as a dry application – see Application section above		
Workability duration	Approx 30 - 45 minutes @ 20 degrees C. Higher temperatures reduce working times. Workability time increases further if applied wet – as long as the compound is saturated it will remain workable		
COMPRESSIVE / FLEXURAL STRENGTH			
Time after curing	Flexural Strength N/mm <sup>2</sup>	Compressive Strength N/mm <sup>2</sup>	Elasticity N/mm <sup>2</sup>
14 days	<b>6.4</b>	<b>15</b>	-
21 days	<b>7.7</b>	<b>17.5</b>	<b>3.84</b>
HEALTH AND SAFETY			
For full information on Health and Safety regarding this product, the relevant health and safety data sheet should be consulted. This can be downloaded from <a href="http://www.easyjoint.eu">www.easyjoint.eu</a>			
STORAGE			
It is always preferable to store in a cool dry place, however, the material is not damaged by frost or exposure to cold/wet conditions. It is advisable to keep the product protected from high summer temperatures. Protect packaging from punctures or piercings. Any exposure to air will start the curing process.			
SHELF LIFE			
Unlimited shelf life provided care is taken over its storage conditions and the product packaging is not damaged.			