

Exterior Jointing Grout Installation Guide

Concrete & Natural Stone Paving



General Information

On delivery, the product should be inspected. If there are any issues, please report them immediately and do not commence installation.

Please Note: The installation of Marshalls Exterior Jointing Grout is a skilled operation, and should not be attempted by anyone who has not had the appropriate training and does not have the correct skill level.



Health and Safety Information

Safe working practices should be employed at all times during the jointing process and all necessary Personal Protective Equipment (PPE) should be worn, as contact with any cementitious product can cause skin and eye irritation and in extreme cases, burns, without the correct PPE being worn.



Before you begin

As this is a rapid setting cementitious grout, working time varies depending on ambient temperature, humidity on the day of install and chosen product.

Depending on ambient temperature, the average working time is approximately 5 - 15 minutes – warmer temperatures significantly reduce working time and lower temperatures will increase working time. We strongly recommend you **DO NOT** apply this product when the ambient temperature is **over 25°C or below 3°C** and rising (please ensure you consider night time temperature drops), as the product will not perform as expected.

On large plan size projects, the inclusion of expansion joints should be accommodated at planning stage.

Paving should be laid on a rigid sub base before the application of Marshalls Exterior Jointing Grout. In all cases, create a sump in which to direct and wash excess material; do not allow any excess material to flow into existing drainage system.

Test the product with a small trial area before you complete the full installation, to ensure compatibility with the chosen paving. Issues arising from a failure to test the grout with the chosen paving will be at the liability of the installer and not Marshalls Plc.

Ensure the paving surface is clean, the joints are free from debris and water and the bedding mortar is removed to the full depth of the paving unit.

Moisture in the joints should be kept to a minimum. We recommend using a leaf blower to remove any excess water from the joints.



It is important to bear in mind that different products have different water absorption properties and as such, the application of Marshalls Exterior Jointing Grout differs slightly dependent on the paving product being used.

For natural stone and concrete, **thoroughly saturate** the paving and leave for a minimum of 10 minutes. Thoroughly re-saturate again before commencing application of the grout. This will stop the grout from staining the paving surface.

Jointing

In all cases ensure the surface is kept damp to aid installation. In warmer weather wetting down must be done more frequently. Failure to do so can result in staining or picture framing.

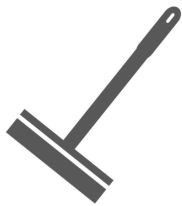
Work with only one 25kg bag at any one time. Always mix a full bag using a 110v paddle mixer. Add 4.25L of water to a full bag of Marshalls Exterior Jointing Grout and mix for 3 - 5 minutes until a smooth lump-free workable consistency has been achieved. Clean mixing tools immediately after use and between mixes.

Use the product immediately after mixing. Do not store any mixed product.

Expel the mix onto the paving area in one pour. Work quickly to apply the grout using a rubber or neoprene squeegee for smooth surfaces and a stiffer bristle brush on textured surfaces, working the material diagonally into the joints.



Always keep the surface slightly wet during install, using a soft spray of water to avoid blowing the grout out of the joints again.



Move the grout constantly over the surface until joints are fully filled. Then repeat to top up any hungry joints.

When joints are full, use the squeegee or brush to remove as much of the product as possible from the surface of the paving material.



Curing Time

Leave the grout to cure for approximately 15 minutes (at 20°C) or until you feel resistance in the joint. Test for this by pressing lightly with a finger and if the grout has started its initial cure, there will be some resistance. Only when this initial set has been achieved can the clean down commence.



Curing times will be dependent on ambient temperature (colder temperatures will reduce curing times; warmer temperatures will increase them).

Once the resistance point has been reached or the product has achieved its initial set, the surface should be cleaned down using a light pressure washer with a wide angled fan head. Use the pressure washer at an angle and do not point it directly at the joint. Please note: A Turbo Rotating Nozzle should not be used.

Alternatively, a squeegee, Wash Boy or brush (dependent on surface texture) can be utilized for clean down. Ensure all excess surface wash-off is directed to the pre-constructed sump.

Cleaning must be carried out thoroughly and no grout must be allowed to remain on the surface of the paving.

We **STRONGLY RECOMMEND** a light power wash is undertaken to the area 24 hours after the jointing installation is complete for a final clean down. **Failure to do so could result in a white residue or staining on the paving.**



For more information

Please contact Marshalls Group Technical Services on **0370 411 2233** or email grouptechnicalservices@marshalls.co.uk