

Stone Paving Installation



HOW TO LAY STONE PAVING

GROUND PREPARATION

Preparing the ground for paving depends upon site conditions and the intended use of the paved area. If your ground is firm, you probably only need to remove the turf and topsoil to a depth to allow 100mm of hardcore and 60mm for the slab and mortar thicknesses. If the ground is very soft or if the paved area is going to have heavy traffic on it, you would need to allow for a depth of 200mm of hardcore and 60mm for the slab and mortar thicknesses.

If the paved area is going to be driven on, a poured concrete slab underneath the mortar bed is recommended but an engineer might need to be consulted at this stage. In reality, few areas are already level enough for immediate paving, so some areas need to be excavated whilst others need to be made up with compacted hardcore.

NATURAL STONE

We would recommend that you use a 25-35mm wet mortar bed on 100mm of well compacted hardcore for most paving situations.

WHICH WAY UP?

There seems to be some confusion about the way you lay natural stone! The larger surface area is the side of the slab you see when it is laid which means that the joints between the slabs are smaller at the top than they are at the bottom, which also helps the pointing to get a better hold. Please see the diagram below.

SELECTION

We recommend that whenever laying natural stone you should mix your paving from 3-4 different packs (if laying a large area) as this will allow the colours to blend and help to improve any shade variations that may occur between packs, giving your patio a more natural look.

LAYING

We recommend using a wet mortar mix of 1 part cement to 5 parts building sand. Start from a corner or use a string to give yourself a straight line. Trowel five large dabs of mortar at each corner and in the middle of each slab giving yourself a fairly full bed of mortar.

Due to the variations in thickness we recommend you start with a thick slab and tap it down into the mortar until you find the correct level (use a rubber mallet to tap the slab down as it will avoid cracking it). Once you lay the first slab, lay the five spots of mortar for the next slab. You could also lay a strip of mortar where the next joint will be, this will minimise pointing afterwards. Ensure that you check all of the levels and falls during the laying process, you should do this by using a spirit level. This will help you to create a patio with a slight fall on it to ensure it drains properly.

CUTTING

If your patio involves a lot of cutting we would advise that you hire a powered cutting tool with a diamond tipped blade. Some stones are harder to cut than others and will require more work.



Correct way to lay natural stone



Incorrect way to lay natural stone

CONTACT US

Tel: 01 287 5016

Mob: 087 262 5428

Email: sales@millbrookpaving.ie

Web: millbrookpaving.ie

OPENING HOURS

Mon-Fri: 8.00 am - 5.00 pm

Sat: 8.00 am - 1.00 pm

Closed Sundays and Bank Holidays

(Subject to change)

(cont.)

HOW TO LAY STONE PAVING (CONTINUED)

POINTING

There are several methods and products in the market to help with the pointing of paving products. Air reacting jointing products (i.e. Fuge and Botament) which we sell and the old fashioned cement and mortar mix.

We recommend that paving is laid allowing for a minimum 10-15mm joint. If you are using a jointing product please follow the instructions on the cover of the product, as failing to do so could lead to a complete renewal of products. When using a cement mortar mix we recommend using a wet mix (but not sloppy) to produce a more permanent waterproof finish. Make sure you clean the excess cement mortar mix from the paving using a sponge when the mortar is still wet, or a wire brush and some acid cleaner when the mortar has hardened.

SEALING

Should you seal natural stone? We don't recommend that you have to seal natural stone that is being used outside, however it might help to maintain the colour and keep the paving clean.

AFTERCARE

We recommend that your paved area is kept free of leaves and general garden debris as this will keep it clean for longer. For best results clean your paved area with a small pressure washer (available in hardware stores i.e. Woodies) every six to twelve months, alternatively there are patio cleaning products available which we can supply you with.

DISCLAIMER

Millbrook Paving Centre cannot accept any responsibility for any mortar staining, cutting or problems during the laying of their sandstone or limestone products.

Colour: Natural stone paving and other products may be subject to variation in colour. The stone that is laid in our display and the photos in this brochure show general characteristics of colour and marking and might differ from the actual product you receive. Choice of colour should always be made from actual products rather than the photographs herein.

Dimensions: All sizes and dimensions stated are approximate and may differ in actual product. The thickness variation is due to splitting of the stone along the naturally formed seams of the block extracted from the quarry.

We would like to thank the following companies for providing material for this brochure: Arx Paving, Oakdene Landscapes, Strata Stones UK Ltd., Doylescapes, Daniel Collins t/a Think Outside and Ross Farrell from Greenstone Landscapes.

For more information visit our website www.millbrookpaving.ie

ETHICAL TRADING

We at Millbrook Paving Centre buy most of our material from Stoneage Products (India) Ltd, who strongly believe in adhering to a strict framework of policies and regulations. In accordance with this belief, Stoneage has undergone a process of stringent audits over the years. The result has been that they have recently been awarded ISO:9001:2000 by TUV, Rhineland, Germany. Further all their policies and practices for social and ethical trading have been confirmed as per the standards of SA8000 by Qualicon Consultancy. In fact, their company is the only natural stone industry in India, which has achieved this approval and meets all the demanding set of conditions stated under SA800, a European standard.

Stoneage (India) operates a charitable trust and contributes to it on a monthly basis and the amount of the donation is commensurate with the growth of the company. The funds from the trust are used for education of poor children and medical treatment of the needy. The accounts of the trust are independently audited annually and are available for public viewing.

We therefore assure you that by choosing a Millbrook Paving product that you will be indirectly contributing towards raising living standards in India.



CONTACT US

Tel: 01 287 5016

Mob: 087 262 5428

Email: sales@millbrookpaving.ie

Web: millbrookpaving.ie

OPENING HOURS

Mon-Fri: 8.00 am - 5.00 pm

Sat: 8.00 am - 1.00 pm

Closed Sundays and Bank Holidays

(Subject to change)