

## LAYING ADVICE STEP BY STEP

### List of Hand Tools Required

- Shovel
- Spade
- Trowel
- Spirit level
- Rubber mallet
- Tape measure
- Pencil
- Knife
- String line
- Wheel Barrow

### List of Power Tools Required

- Disk Cutter
- Cement mixer

### Step 1: Site Preparation

- Using the **tape measure** mark out the patio area and then either using the **shovel** or **mini-excavator** dig out a depth of 150mm below the finished patio level.
- If you find soft spots in the soil further excavation may be required. These spots can be filled and consolidated with sub-base material.
- Remove all excavated material from site using the **skip**.

### Step 2: The Sub-Base

- Apply the sub-base of MOT Type 1 with the rake and thoroughly compact using the vibrating plate to minimum thickness of 75mm.
- When using the vibrating plate machinery please follow all manufacturer's guidelines including acceptable levels of exposure and in particular use ear protection

### Step 3: Preparing the Mix

- When preparing **cement mix**, please avoid direct handling of cement, always cover your skin. Either using the **cement mixer** or **wheelbarrow** and **shovel**;
- prepare a **mortar mix** of 5 parts **building sand**, 1 part **cement** and water to an even consistency.
- Starting at the furthest point apply a perimeter course of mortar that is approximately 50mm thick to the sub-base where you want your first slab to go.

## Step 4: Laying the Paving

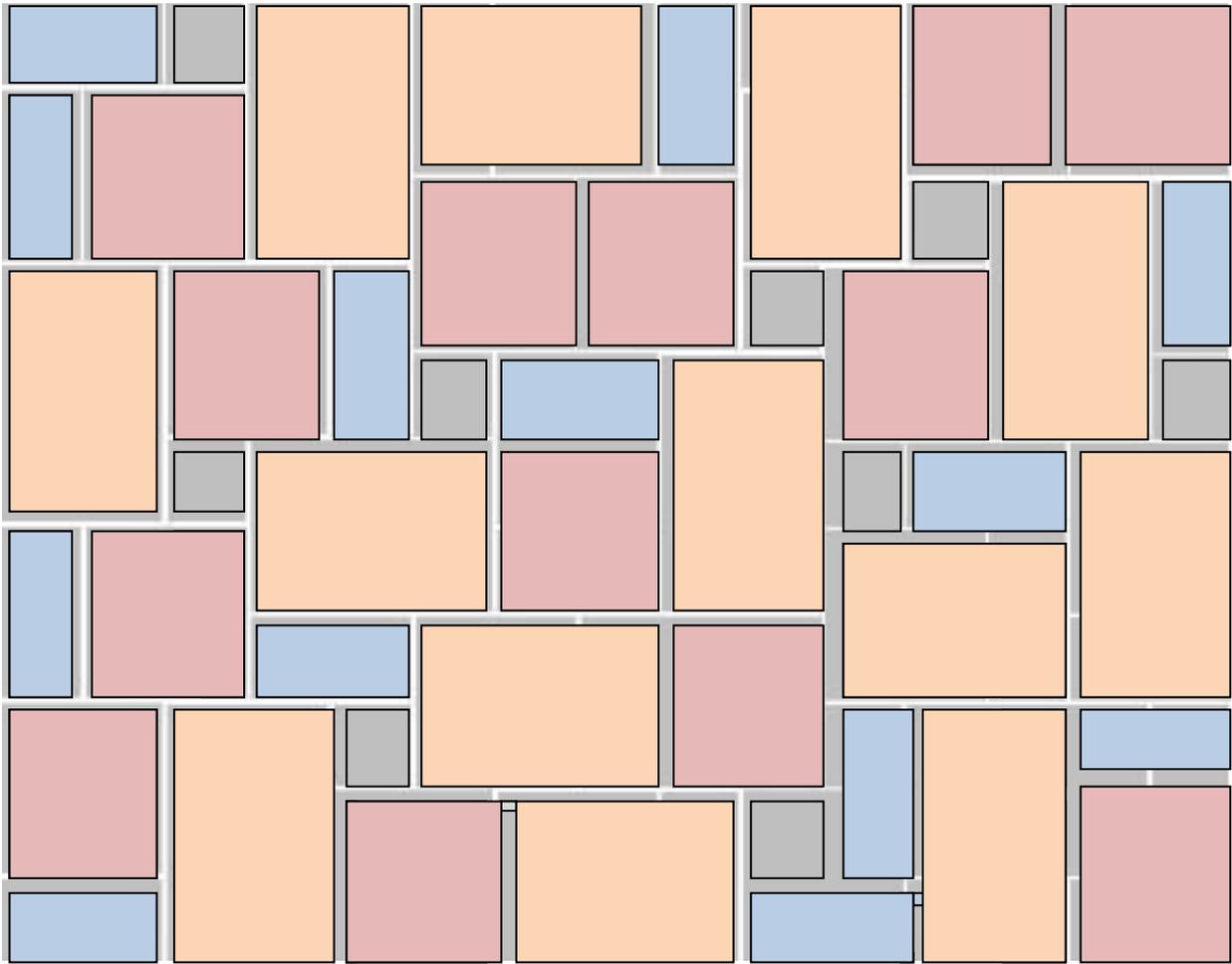
- Remember when lifting and carrying paving units always consider the weight before attempting to lift. If it is heavy, get help. Take care not to trap fingers whilst handling paving units.
- Gently lower the slab down onto the mortar bed and always tapping in the centre of the slab; use a **rubber mallet** to position it at the required finished level.
- Also ensure that the mortar bed underneath is no greater than 50mm.
- Repeat this process using the **string line** and **spirit level** to maintain the appropriate drainage slope.
- Check that no edges are standing up proud simply by running your hand over the joints. Ensure consistent gaps, ideally of 10-15mm between the slabs.
- Leave the slabs for at least 2 days so that the sand cement mix can set.

## Step 5: Pointing with Geo Fix

- Remember to avoid direct handling of geo fix , always cover your skin.
- Always read the manufactures instruction before use.
- Once the packaging is opened, Using the **trowel** spread the geo fix around the required area before brushing into the joints using a hand brush,
- Firm it into the joints using the trowel and finish with the **pointing tool** called a '**smoothing iron**' (or a piece of copper pipe).
- Carefully remove any excess pointing material using the **trowel** and **yard broom**, ensuring no residue is left on the slab surface

## Step 6: Sealing your Patio

- Remember to avoid direct handling of the sealer , always cover your skin.
- Again always read the manufacturers instruction before use
- Once the packaging is opened, pour a small amount of the sealer into a pot/tub and apply with a new paint roller or brush,
- Continue to apply until you have the desired affect you require.



## PRIMETHORPE 15.5 SQM PATIO PACK LAYING DESIGN

Thanks for your purchase of a sandstone/limestone patio pack, here is a helpful design guide for you to follow in order to make a start in the laying of your slabs and to hopefully make your job easier and to stop your selected area looking uneven or unbalanced.

	=	90 CM X 60 CM X 13 PIECES
	=	60 CM X 60 CM X 13 PIECES
	=	30 CM X 60 CM X 13 PIECES
	=	30 CM X 30 CM X 9 PIECES

PLEASE NOTE THIS PATTERN HAS BEEN DESIGNED USING ONE COMPLETE BOX AND DOES NOT HAVE A RE- OCCURRING PATTERN. HOWEVER IF YOU HAVE PURCHASED MORE THAN ONE BOX THIS PATTERN CAN STILL BE USED AS A STARTING POINT.