

# Installation Instructions

## Mathios Tools



**MATHIO**stone®

only nature can copy us

[mathios.com](http://mathios.com)

# Installation Instructions - Step by Step Guide



Clean the substrate from dust and dirt, for good adherence of the mortar. Level out the first line of where the stones will be placed.



If we work on an absorbent substrate, like gypsum board or wood, we have to apply primer to reduce the absorbency.



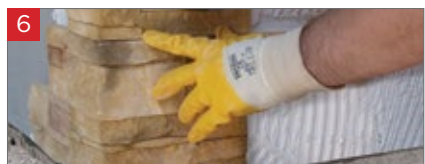
Prepare mortar taking into consideration the amount of water for good adherence and the correct consistency.



Apply mortar on the installation surface as much as needed so that it does not dry out when installing the stone.



Lay out the stones and mix from various cartons at least 2m<sup>2</sup>, to create a balance between different colors, shapes, thickness and textures.



If the installation includes corners, then begin with these & continue the installation in line with the flat elements.



Using a trowel or similar tool, perimetrically clean the stone from overlapping mortar for better installation. Since the back surface of the stone is dry, wet it with water to avoid the absorption of the mortar's humidity



Apply mortar at the back surface of the Stone, as much as possible so there is no gap between the stone and the surface.



During the installation of the stones, use a rubber mallet (rubber hammer) in order to not damage the stone.



If large gaps are present, fill them with stones cut to the needed size.



Place the stone by pressing hard to ensure perfect adherence of the mortar on the back surface of the stone.

# Stone application without joints



Fill the stone perimetrically with mortar by using the trowel. Remove any excess mortar using a trowel.

# Stone application with joints



Provided that there is a joint, in order to stabilize the stones small spacers can be used where needed.



For the installation of the joints use a pastry bag or a grouting gun. In both cases cut the end until the desirable width for the joint is achieved.



Lay the mortar with a trowel or special tool.



If mortar gets on the surface of the stone, brush it off with a soft wired brushed or hard plastic, before it hardens (after 1/2 or 1 hour). Do not use metallic objects.



When installing the joint, the creation of vertical joints in parallel lines must be avoided.



Clean the stones by using a dry hand brush.



In case the stone surface gets dirty from the mortar, it is recommended to clean it with a soft wire brush, immediately before the mortar “hardens”. Do not try to clean when the mortar is fresh and do not use metallic objects.

- temperatures above 180 °C. color conversion may occur, e.g.
  - black gradually converts to red
  - yellow color shift towards red
- prolonged contact with water discoloration may occur

# Mathios Tools

## Required tools for the installation



Hammer



Joint Trowel



Circular cutting saw with  
diamond disc / angle grinder



Square shaped trowel for  
glue spreading



Pliers



Application gun for  
joint mortar installation



Plastic float



Goggles



Mask



Wire brush / Paint brush



Spirit level



Round shaped trowel for  
mortar spreading



Wheelbarrow / Hoe (mortar  
preparation)