



the natural stone & tile specialists

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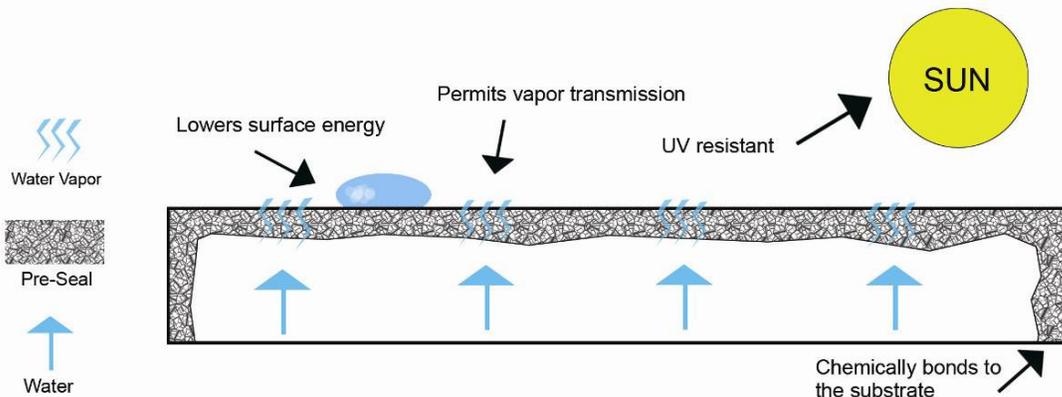
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PRE-SEALING

SEALING TO PREVENT DAMAGE DURING LAYING

Spirit Pre-Seal is a water based seal that works by penetrating into the stone. After drying the seal will stop capillary action in the stone. This will prevent any water or water based staining materials from absorbing into the stone. This is very important in stopping water marking from occurring during the laying process and assist future stain prevention by providing a foundational product that performs for many years. **Spirit Pre-Seal** will not affect adhesion or interfere with the laying of the stone, but will act as a grout release to assist in the removal of grout haze, this is important as the use of acid products can damage some stones. If the stone is not going to be exposed to oil or food that may contain oil, then pre-seal will act as a final seal with years of performance. If the area is going to be used for entertainment or food areas, the stone should be further sealed with Spirit Water-based Premium Seal. **Spirit Water-based Premium Seal** is an advanced impregnating seal that will penetrate the stone and will give years worth of protection against oils and food stains. If a solvent based product is preferred **Spirit Premium Seal** can be applied.



APPLICATION

Dipping: This is the most recommended way of applying Pre-Seal as it will seal all six sides and assure that the seal is applied evenly through the stone. This is the best way to protect the stone from water damage.

Lambswool: A lambswool applicator can be used; in order to seal the stone properly you must make sure that the sides of the stone are sealed as well.

Spraying: This technique is quiet fast however it is important that you don't let the sealer pool on the stone as this can cause an excess problem. Spirit Pre-Seal is a water-based product so a garden pump sprayer will be suitable.

CURING METHOD

Once the stone has been sealed with **Spirit Pre-Seal** by any of the above methods it is important that the sealer can dry and cure properly. The stone now needs to air dry, if they are stacked wet or packed pack in a crate they will not dry and the sealer may not perform. Spirit Pre-Seal needs 24 hours to cure fully before they can be laid. It is recommended that the stone is wiped with a white cotton cloth before stacking; this will prevent the tile sitting in a puddle of Pre-Seal. The above picture is showing how you can to stack the tiles correctly.

CLEANER & SEALERS FOR THE TILING INDUSTRY

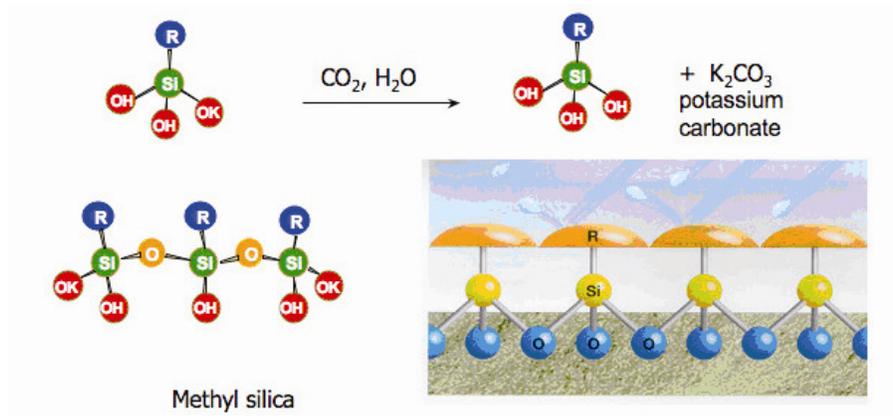


In the picture above we can see that this method will allow air to the tiles so that they can dry.

LABORATORY TEST PROCEDURE

KARSTEN TUBE Water Uptake (ml)

Time (hours)	Spirit Pre-Seal	Water-Based Premium Seal	Competitors Product
t_1	0	0	0.2
t_6	0	0	+0.7
t_{24}	0.1	0.1	+3.0
t_{48}	+0.2	+0.1	+2.0
t_{72}	+0.2	+0.2	+2.0



Please Note: This is a general guide only. For detailed information please contact Spirit www.spiritsealers.com

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