

Description of the application method of TECNADIS PRS PERFOPORE:

BEFORE APPLICATION

Preparation of the surface to be treated.

- The surface must be completely clean before application. Pay special attention to no dust or solid particles of any kind are on the surface. For this preparation you can use auxiliary systems for blowing the surface with compressed air, brushing or washers if necessary. This previous cleaning process is more important on horizontal surfaces applications.
- Avoid the presence of fissures and cracks in the substrate. It is recommended, as far as possible, to repair them before treatment.
- It is recommended to apply over dry substrate, although it is not strictly necessary. The product can be applied over the surface slightly wet (not totally wet).
- It is recommended to check previously that the tools are perfect for their use.

SHAKE THE CONTAINER BEFORE USE

APPLICATION METHOD:

The product can be directly applied over the surface to be treated, using a brush, roller or spray (preferably AIRLESS). This last system is the most efficient and economic method due to the optimal distribution and fast application of the product over big surfaces. It is recommended adjustable and no pressure flow systems. The flow depends on the porosity of the material, as a rule, the more porosity of the substrate, the more flow you have to apply.

It has been observed that the best effectiveness of the treatment is achieved when two coats of product are applied, just as a way to ensure that the entire surface is covered by the product. It is recommended to apply the second coat after the first one (wet over wet)

Look for an application free from dribbling over the treated surface because it will imply the use of an excess of the product; it is not necessary to saturate completely the surface, it is better to make two slight applications instead of a loaded one.

Try not to induce product drippings or accumulations over the material since this would imply irregularities in the tone of the surface due to a product excess.

For optimal application it is recommended dividing the surface to treat in different sectors.

It should be mentioned that the applicator must check previously the correct application of the product in a specific small area and using the selected tool in order to verify the absorption of the substrate and the correct operation of the application system.

Apply the product following the outline as in the **Figure 1**. Follow one of the lines for the first coat and the other one for the second coat. Completing both cycles, it would be achieved the complete treatment. It is important to follow the instructions of **Figure 2** and **Figure 3**: Apply the product always at the same distance from the facade, pavement or surface. The velocity of the operator arm movement must be set from the beginning, so that the liquid drenches the surface without forming accumulations.

DESCRIPTION	APPLICATION METHOD - TECNADIS PRS PERFOPORE	
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Graphic description:

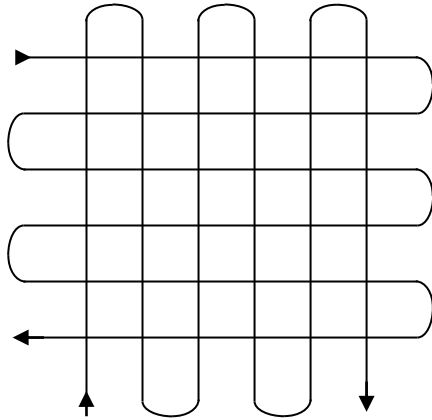


Figure 1

Figure 2

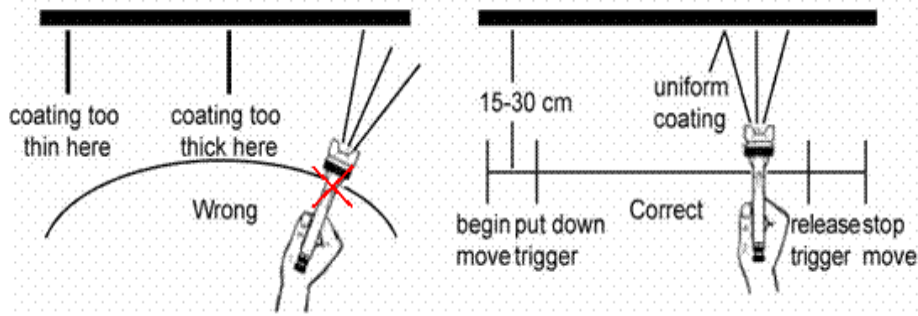


Figure 3

The application of the two layers can be immediately one after the other if the application only looks for the hydrophobicity of TECNADIS PRS PERFOPORE.

In the case of applications on facades, plinths, horizontal substrates or any application which implies better stain-resistant properties of TECNADIS PRS PERFOPORE, it is recommended to make two applications letting time between them to dry the first layer. This recommendation can also be used in the applications of PERFOPORE as a model semi-permanent anti-graffiti solution.

For low or very low porosity materials (as tiles, countertops, hydraulic terrazzo or indoor elements), it must be applied with roller, brush, etc. and then check the surface with only brush or roller to achieve homogeneity and the correct penetration of the product in the low porous system without accumulated excesses. Finally, remove the exceed product with a dry cloth or absorbent material. This process favours a correct distribution of the product and a well penetration in the substrate. Repeat this step twice if the surface will be exposed to high risk of stains dropping (for hostelry, public business, pass zones, shower tries, etc).

Pay special attention to the proper covering of highlighted areas, structures, horizontal panels, drip ledges, cornices, sills, baseboards or any structure of the facade, terrace or pavement where rain water can be leaked. It must be protected not only the vertical and horizontal planes but also the full surrounding.

Special protection measures are not required but it can use the same than for any paint: work clothes, gloves and simple gas facemask (For further information consult the Material Safety Data Sheet).

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- Dilution: none
- Amount per application (2 coats): aprox.80-250 ml/m² in total (depending on the substrate porosity)
- Complete drying time: 48 hours
- Operating temperature: between 5 and 30 °C
- Storage temperature: between 5 and 30 °C; protect from direct sunlight; store in original container

Estimated performances:

MATERIALS	TOTAL YIELDS	
	mL/m ²	m ² /L
SEMI-POLISHED MARBLES, TERRAZZO	80	12,5
LITTLE POROUS LIMESTONE, POLISHED CONCRETED	100	10
FACE BRICK, TILES	125	8
GRANITES, UNPOLISHED CONCRETE, MONOLAYER MORTAR	150	6,7
POROUS LIMESTONE, OLD NATURAL STONE (POROUS)	200	5
SANDSTONE, COARSE CONCRETE	250	4

Equipment: Examples of equipment.

Basic hand sprayer "RUCKSUCK TYPE" in which the most useful part is the longest throw, which allows a comfortable floor application without the operator having to work bent over the gun. The mobility is much greater than with the hand sprayer gun.



Example of basic AIRLESS: Standard electrical equipment to work mainly in facades.



Example of AIRLESS HVLP with probe for coupling a tank: Equipment of high performance which allows to work continuously in large areas and height.

It is important to keep the equipment in good conditions, avoiding saturated or clogged nozzles (always clean after an application).

Ask to TECNAN for further information and videos with examples of real applications.