

## Description of the application method of AQUASHIELD ULTIMATE:

### 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.
- 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 not necessary to protect windows or structural elements made of aluminum, glass, wood or others. The product does not form film and, therefore, it does not leave marks.
- It is recommended to check previously that the tools are perfect for their use.

### **VERY IMPORTANT: SHAKE THE CONTAINER BEFORE USE.**

### APPLICATION PROCESS:

The product is 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 and fast distribution 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 you have to apply more amount of product when the porosity of the surface is higher. In the case of low porous and polished substrates, it would be recommended to use a spray gun (airbrush).

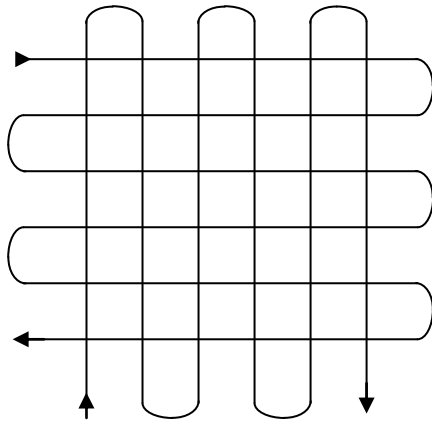
It has been observed that the best effectiveness of the treatment is achieved when two coats of product are applied, just to ensure that the entire surface has been treated. It is possible to apply the second coat immediately after the first one. There is not a maximum time interval between coats so it could be re-applied at any moment.

Try not to induce product drippings over the material during the application since this would imply the use of a product excess; it is not necessary to saturate the surface, it is more recommended two slight applications than only one using too much product (saturation).

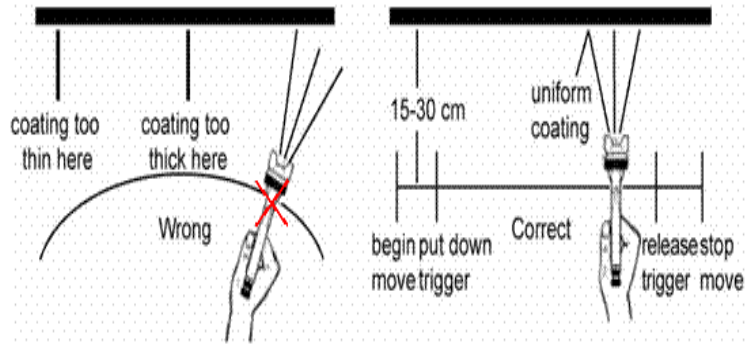
It should be mentioned that the applicator must check the correct application of the product in a specific area and using the selected tool in order to verify the absorption of the substrate.

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Graphic description:



**Figure 1**



**Figure 2**

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 (two coats).

For optimal results it is recommended dividing the surface to treat in different sectors. The treated surface is wetted with the product during a short time (5-15 minutes) but when drying, it is totally invisible.

It is important to follow the instructions of **Figure 2**: Apply the product always at the same distance from the surface. The velocity of the operator arm movement must be set from the beginning, so that the liquid drenches the surface without forming accumulations. Keep in mind that it is not necessary to saturate the surface, just observe its wetting with AQUASHIELD ULTIMATE.

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

Maintain the area of application well-ventilated but without airstream and thus, avoiding gas concentration due to the evaporation of the organic vehicle of the product (solvent).

As protection measures are recommended the same than for any paint: work clothes, gloves and simple gas facemask (For further information consult the Material Safety Data Sheet).

- Dilution: none
- Amount per application (2 coats): aprox. 125-400 ml/m<sup>2</sup> in total (depending on the substrate porosity)
- Complete drying time: 24 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:

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MATERIALS	PERFORMANCE	
	ml/m <sup>2</sup>	m <sup>2</sup> /L
semi-polished marble, Terrazzo	125	8
low porous limestone, polished concrete	150	6,7
brick, tiles	200	5
Granite, non-polished concrete, mortar cement	250	4
high porous limestone, old natural stone (porous)	300	3,3
Sandstone, high porous concrete	400	2,5

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.