

Guide of use: HIDROPHOBIC TREATMENT

PRODUCT DESCRIPTION

HIDROPHOBIC PRODUCT treatment based in **two different layers**: **Layer 1 (BASE)** that is applied before **Layer 2 (TOP COAT)** that is the final treatment.

GUIDE OF USE

STEP 1. THE SURFACE TO BE TREATED

The surface to be treated is the **leading edge** and **in the following 300mm** of the leading edge **in the upper shell and the lower shell**.

STEP 2. PREPARING THE SURFACE

The surface must be completely **clean and dry** before the application. Avoid dust or any solid particles on the surface. It is recommended to clean the surface with alcohol and dry it with paper or with air before apply the Layer 1 (BASE).

STEP 3. LAYER 1 (BASE) APPLICATION

The application of Layer 1 (BASE) will be with a **compressed air gun**, following the next recommendations:

COMPRESSED AIR GUN

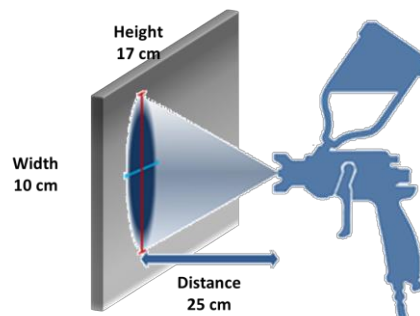
It is recommended to use a paint compressed air gun with an air flow capacity of at least 6 bar and with two regulated parameters of spray, air and product.

GUN: REFERENCE MODEL		
MOUTHPIECE	Hole size	0,85 mm
HEAD TYPE	Head shape	Elliptical or equivalent
		Trans-Tech, with feeding filter



To calibrate the gun, adjust the **spray pattern and the amount of product per time unit** to the values below, in order to assure an approximated yield of 60 ml/min:

GUN: CALIBRATION PARAMETERS		
DISTANCE TO THE GLASS		25 cm
ATOMIZATION		Medium – low
SPRAY PATTERN	Width	10 cm
	Height	17 cm
AMOUNT OF PRODUCT	Per unit of area	Approx. 60 - 70 ml/m ²
	Per time unit	Approx. 50 - 65 ml/min

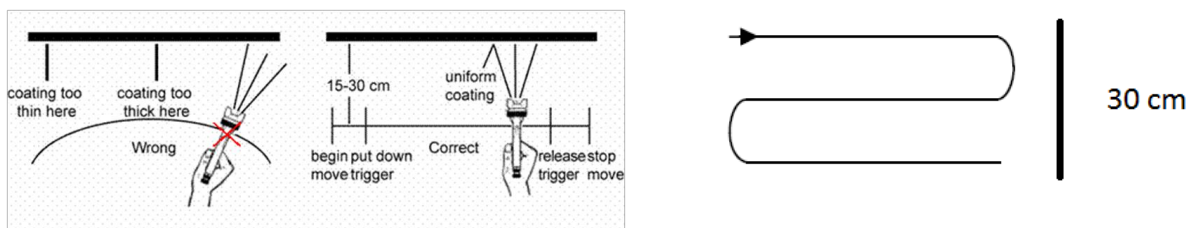


Spray the Layer 1 (BASE) on the surface in a single layer homogeneously, avoiding possible excesses and product's sags.

Approximated performance is 60 -70 ml/m².

Product's spray **recommendations** are the followings:

- Follow the pattern of application, i.e, make passes in one direction with the gun perpendicular to the surface and trying to leave the gun in the same position.



STEP 4. WAIT TIME FOR TOP COAT APPLICATION

Once applied the Layer 1 (BASE), we waited 24h to apply the Layer 2 (TOP COAT) in order to ensure the complete drying and therefore guarantee the fixation of the second coat and effect. Nevertheless, we are working in two lines to achieve the same properties: 1) to reduce times between layers and 2) to design the product in a single layer. But, in this occasion, simply ensure times to assess the effect/performance.

STEP 5. CLEANING OF USED TOOLS

Before to apply the Layer 2 (TOP COAT), it is necessary a complete cleaning of the gun.

In the case of use "TransTech" type gun, fill it with ethanol and regulate roulette's fan to the minimum so that the liquid comes out very strongly and drag the remains of product that could be inside the gun.

STEP 6. LAYER 2 (TOP COAT) APPLICATION

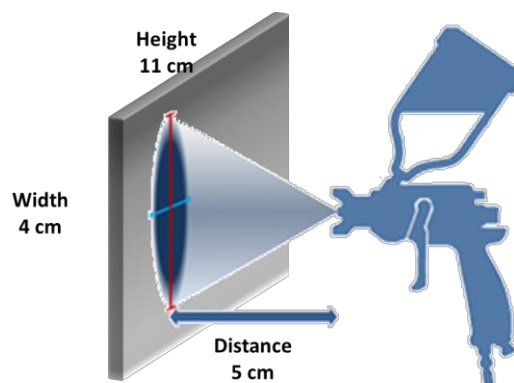
It is recommended to use the same application method that it was used for the Layer 1 (BASE).

COMPRESSED AIR GUN

It is recommended to use a paint compressed air gun with the same mouthpiece and head and with an air flow capacity of at least 6 bar.

To calibrate the gun, adjust the **spray pattern and the amount of product per time unit** to the values below:

GUN: CALIBRATION PARAMETERS		
DISTANCE TO THE SURFACE		5 cm
ATOMIZATION		High
SPRAY PATTERN	Width	4 cm
	Height	11 cm
AMOUNT OF PRODUCT	Per unit of area	Approx. 90 ml/m ²
	Per time unit	Approx. 20 - 25 ml/min

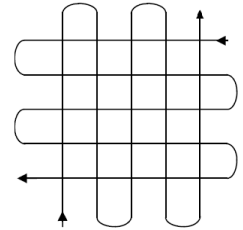


Spray the Layer 2 (TOP COAT) over the previously treated surface with Layer 1 (BASE).

As **standard application** it is recommended to apply **two coverings or layers of the product perpendicular to each other** (see the figure). **Approximated performance** is 90 ml/m².

Product's spray **recommendations** are the followings:

- Follow the pattern of application, i.e, make passes in one direction with the gun perpendicular to the surface and trying to leave the gun in the same position.
- It is better to apply excess of product than little quantity to ensure the effect. In the case of appreciating such excess, immediately after, polish the excess with a dry cloth until total distribution.



Application pattern

STEP 7. CLEANING OF USED TOOLS

Finally, after Layer 2 (TOP COAT) application, it is necessary a complete cleaning of the gun to avoid product's contamination. The cleaning methodology could be the same as the recommended in the Step 5.