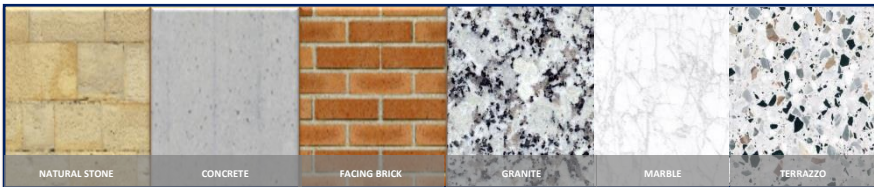


**TECNADIS GRAFPROTECT**

**Permanent protection against graffiti and paint stains in general for porous materials**

<p><b>Product description</b></p>	<p><b>Permanent ANTIGRAFITI</b> protector, based on nanotechnology, specially designed to protect surfaces of porous materials. It protects surfaces against paints, graffiti, markers, etc., facilitating their cleaning and removal by common cleaning processes. Bi-component product, consisting of PROTECTOR and ACTIVATOR, to be mixed in the proportions supplied.</p>
<p><b>Applications</b></p>	<p>All types of surfaces, pieces and objects made of porous or low porosity materials that may be exposed to paint (and any kind of stain). Suitable for the surface treatment of terrazzo, marble, granite, concrete, brick, sandstone, and in general any constructive substrate, both in exterior and interior applications. Designed to be also applied as a repellent to water, oil and stains in general, by surface treatment. Especially recommended for exterior elements (facades, bridges, walls, beams, etc.).</p> 
<p><b>Features and advantages</b></p>	<ul style="list-style-type: none"> <li>▪ Product with permanent antigraffiti effect (allows more than 10 cleaning cycles).</li> <li>▪ With a water and oil repellent effect, it offers permanent protection against graffiti and paint, also preventing the absorption and accumulation of water and stains on the treated surface.</li> <li>▪ Specially formulated to allow the substrate to breathe. High permeability to water vapour, allowing natural processes through its pores.</li> <li>▪ Total resistance to UV. The structure of the compound has no weak points that can be attacked by UV radiation, and therefore the resistance to weathering is much higher than that of its competitors.</li> </ul>
<p><b>Product information. Composition and physico-chemical properties.</b></p>	<ul style="list-style-type: none"> <li>▪ <b>Color:</b> Translucent liquid</li> <li>▪ <b>Formats:</b> 1L, 5L and 25L (higher volumes on request)</li> <li>▪ <b>Storage:</b> 12 months from the date of manufacture in the original sealed containers at temperatures between 5°C and 30°C.</li> <li>▪ <b>Volatile Organic Content (VOC)</b> &lt;50% wt</li> <li>▪ <b>Density:</b> aprox 1 g/ml</li> <li>▪ <b>Viscosity:</b> 25-75 cP</li> <li>▪ <b>Boiling point:</b> 82,5°C</li> <li>▪ <b>Flash point:</b> 11,85°C</li> <li>▪ <b>Solvent:</b> Isopropanol</li> </ul>

**TECNADIS GRAFPROTECT**

**Permanent protection against graffiti and paint stains in general for porous materials**

**Surface preparation**

Before application, thoroughly clean the surfaces and remove all traces of detergents and cleaners. The Surface must be completely clean.  
Avoid the presence of fissures or cracks in the substrate. It is recommended, if possible, prior removal thereof.

**How to use**

**COAT 1: BASE PRIMER (TECNADIS PRS PERFORMANCE)**

- In most porous surfaces it is recommended the application of TECNADIS PRS PERFORMANCE, a solvent-based primer, to favour the adherence of the product on the surface, as well as to enhance the anti-graffiti effect and reduce its consumption.
- TECNADIS PRS PERFORMANCE will be used to subsequently fix the antigrffiti (GRAFPROTECT) and reduce the absorption of the substrate. The application of TECNADIS PRS PERFORMANCE avoids the tone change caused by the saturation of GRAFPROTECT.



**COAT 2: TECNADIS GRAFPROTECT**

- Bi-component product, which must be mixed before application.



- SHAKE CONTAINERS (PROTECTOR AND ACTIVATOR) BEFORE USE.
- MIX PROTECTOR AND ACTIVATOR IN PROPORTION: 4 PARTS in volume of PROTECTOR + 1 PART in volume of ACTIVATOR.



**TECNADIS GRAFPROTECT**

**Permanent protection against graffiti and paint stains in general for porous materials**

**APPLICATION METHOD:**

- **STEP 1 - CLEANING AND PREPARATION OF THE SUBSTRATE.** The Surface must be completely clean and dry. Avoid the presence of dust or solid particles of any kind in the surface.
- **STEP 2 - APPLICATION OF PRIMER (TECNADIS PRS PERFORMANCE):** Apply by spraying (preferably AIRLESS). This 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.  
**Important:** To ensure that the substrate does not suffer too much aesthetic change, it is recommended to apply the PRIMER to saturation, especially in quite porous materials. In the case of low porosity substrates, apply the enough amount that the material requires. Allow the PRIMER to dry, if possible, at least 4 hours before STEP 4 ("Application of GRAFPROTECT").  
The surface should be dry to touch or carry out a small wetting test with water. If total repellency occurs, the surface is ready for GRAFPROTECT application.
- **STEP 3 - GRAFPROTECT PREPARATION:** GRAFPROTECT is always supplied in a **1:4 ratio** so that the content of the container labelled ACTIVATOR is poured into the container labelled PROTECTOR. The PROTECTOR container admits the supplied volume of activator until the final volume is complete. MIX AND SHAKE BEFORE USE. Example: 1 litre of ACTIVATOR + 4 litres of PROTECTOR, provide 5 litres of GRAFPROTECT.  
**Important:** The mixture of both components can be used up to 48 hours after mixing.
- **STEP 4 – GRAFPROTECT APPLICATION:** Apply GRAFPROTECT, previously mixed, with a brush, roller or simple spraying equipment, type electric spray gun, with a rechargeable tank on the spray gun itself. The high performance of the product implies that it is not necessary to use big equipment or to apply a large amount of product.  
**Important:** The liquid is directly applied on the surface using, as far as possible, a sprayer with air gun (airless standard low pressure). In case of not having a sprayer, it can be also applied using a roller or brush. The optimum effect will be achieved after a full drying time of 48 hours.  
The surface must be totally covered with the GRAFPROTECT surface layer after it has been checked that the PRIMER has dried completely and the surface has repellent properties. When the PRIMER is correctly applied, the substrate will barely absorb GRAFPROTECT. It is recommended to wipe with a cloth, roll or brush the application of GRAFPROTECT for a better distribution of the product and a better aesthetic finishing.
- Drying to touch: 1 hour approx. The optimal effect is achieved after 48 hours from application.

**TECNADIS GRAFPROTECT**

**Permanent protection against graffiti and paint stains in general for porous materials**

**Graphic description: application method by spraying**

**Application (2 coats):**

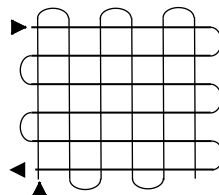


Figure 1

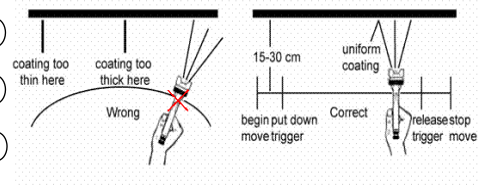


Figure 2

- Application tools: After use, clean them with any type of general solvent compatible with the working tools (alcohol, acetone, universal solvent).

**HOW TO CLEAN A GRAFFITI:**

- Markers and felt-tip pens can be easily removed immediately with a cloth dampened with alcohol or acetone. They can be also cleaned simply with soapy water.
- When we have graffiti of higher density, first of all, it must be softened or with a simple solvent based on alcohol / acetone or with specific cleaners for graffiti. Leave it on for a few minutes and then go on to the paint removal step. Occasionally it is useful to use a brush to distribute the solvent or cleaner so that the rubbing and spreading action of the solvent causes a better softening of the paint.
- Then, the graffiti begins to be removed. For that, different tools such as cloths, sponges or similar can be used. In the case of large surfaces, it is common to use pressure washers or water spraying equipment. This water can be hot if it is considered necessary to favour cleaning. Direct the water stream at 45° with respect to the support.
- These two operations must be repeated until achieving the complete removal of the graffiti.
- Please note that to soften the paint “universal” solvents can be also used.

## TECNADIS GRAFPROTECT

### Permanent protection against graffiti and paint stains in general for porous materials

#### Yield and storage

- Dilution: none
- Yield: Estimation based on the material porosity:

APPROXIMATED TOTAL YIELD	
MATERIAL	TOTAL (m <sup>2</sup> /litre)
Marble and low porous limestone, terrazzo, polished concrete	15 - 17
Granite, facing brick, non-polished concrete, tiles	12,5 - 15
Sandstone, coarse concrete, high porous limestone.	10 – 12,5

- Drying time to touch: 30-60 minutes.
- Complete drying time: 48 horas.
- Operating temperature: between 5°C and 30°C.
- Storage temperature: between 5 y 30 °C; protected from direct sunlight, store in original container tightly closed.
- Post-life: the mixture remains active for up to 48 hours after mixing, in a closed container.

#### Observations

- To achieve a higher effectiveness, it is recommended to apply at temperatures between 5°C and 30°C.
- The protective measures recommended are the same than for any kind of paint: work clothes, gloves and a simple gas mask.
- Perform an initial test on those painted surfaces to avoid the appearance of discoloration caused by the solvent of the product.
- This product is not suitable for medical or pharmaceutical uses.

#### Handling precautions

The product safety information necessary for its safe use is not included in this document. Before using this product, read the material safety data sheets and the container labels for safe use and for information on physical hazards and health. The material safety data sheets are available and are supplied by TECNAN S.L. The application of the product must be carried out in a well-ventilated place. It contains a volatile solvent (Isopropanol).

#### Limited warranty information

##### Please read carefully:

The information contained herein is offered in good faith and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information should be used properly, verifying in preliminary tests that the product is suitable for its intended use. Suggestions of use shall not be taken as inducements to infringe any particular patent. The only guarantee of TECNAN S.L. is that the product will meet the sales specifications in effect at the time of shipment. Your exclusive remedy for breach of this warranty is limited to the refund of the purchase price or replacement of any product that is not warranted. TECNAN S.L. specifically disclaims any express or implied warranty of fitness for a particular purpose or marketing. TECNAN S.L. disclaims responsibility for any damage caused accidentally.