

HLG SYSTEM [®]



Permanent protection antigraffiti, antisticker, antioxidant and ultraviolet filter.

Properties of the protection

- Permanent even after repeated cleaning.
- Transpirable (permeable to the steam).
- Conserve the optimal conditions for the substrata.
- It repels the liquids (water, paintings with dissolvent, oils, ...)
- Hydrophobic protection and oleófoba.
- Colorless conserving the aspect natural of the support.
- Finished final brilliant or satin according to necessity.
- Screen antioxidant for metals.
- Ultraviolet Screen that it protects of the effects of the sun.
- Total protection contre the inclemency and the environmental contamination.
- Finished final without tact.
- A cleaning allows and maintenance of the surface prote'ge'e very fast and economic.

Application fields

Mainly types of surfaces like for example:

- Marble
- Natural and artificial stone
- Cement
- View Builds
- Granite
- Unilayers
- Mortars
- Ceramic
- Stuccos
- To painted with paintings base water
- To painted with paintings base dssolvent
- Metals
- Glass
- Wood (natural or varnished)
- Plastics (*)

(*) In case of application on plastic material to consult with our technical department.

For any application noncontemplated in this list as much concerning benefits as of type of support we requested consult previously with our technical department.

Presentation of the product:

Cans of 4 kg

Bases of the material:

Inorganic polymer with silicone

Storage:

12 months in a fresh place (enters 0° or 20^a) and dry, and in its closed original packages.



Use way.

(1) Preparation of the support.

The surface where the protection will be applied must be clean and dry. All the agents as spots, oxides in the case of metals must be completely eliminated.

In the case the surface has been cleaned with water previously, we must assure to us that all the surface has dried.

In the case of to have carried out works of repair on the surface to protect as cracks, meetings, etc ... These must suitably be repaired and totally hardened.

The contiguous zones that aren't wanted to protect or that they make contact with enemy with the product properly will be covered with protective elements stops to protect them of the possible spills or pulverizations of the product.

(2) Preparation of the mixture.

In order to as much prepare the mixture of the layer of primer as of the layer of protection, the applicator will have to follow of scrupulous form the amounts as well as their order of mixture of components as it comes in the tables of mixtures given during the formation.

The mixture doesn't accept any variation in the amounts either in the mixture order. No additive can be addition to the mixture. Any modification of the norms of preparation destroys the properties of the product.

A specific retarder exists that can be added to the mixture in case of necessity.

(3) Application.

For the application of the product an equipment HVLP (high volume low pressure).

The advantage to use this technology is that due to its low pressure of atomization takes place very little fog of pulverization reducing therefore the material splashes and optimizing the product consumption.

In the case not outside possible we will use brushes or rollers. These last techniques can originate a consumption of the overhead product intensifying the original color of the support.

Will be applied to a layer of primer of SL100 HLG SYSTEM.

The applicator must make sure that the surface totally has been covered of the primer layer which in some cases supposes to apply it several times.

To the minimum end of 4 hours approximately (according to support and climatology) and 7 days will be applied to the layer of protection SL600 HLG system BRIGHTNESS or SATIN according to the wished finished one.

Not apply to temperatures inferiors to +5°C nor superiors +35°C.

Manipulation and transport.

For the manipulation and the transport of this product the preventive measures in the chemical agent handling will have to be observed habitual. Any information to consult the card of security of the product.

We remember that the elimination of product and of its package must be realised in agreement with the effective legislation and is responsibility of the final possessor of the product.

Consumption.

The consumption of the primer layer can vary based on the porosity of the support. The absorbent surfaces consume more product than the dense and smooth materials. In the table next consumption examples are indicated according to surfaces.

We recommend to realise one previously shows of the substratum to protect to determine consumption and to verify the final aspect.

Table of consumption of the primer according to surfaces.

Type of surface	Example	Approximate consumption (g/m ²)
Polished metalist	Aluminum, Stainless steel	30-50
Polished mineral	Marble, Granite polished	45-60
Smooth and little porous	Ceramics	60-70
Rough and little porous	Brick	90-120
Smooth and porous	Cement	120-170
Rough and porous	Unilayer, limestone stone	170-210
Very rough and porous	Plaster, areznica	210-250

Cleaning of the protected surface.

The surface can be cleaned manually with suitable biodegradable cleaners, with neutral products (with water), with organic dissolvents (with smooth alcohol like ethanol, isopropílico alcohol, etc ...).

To apply the cleaner to dissolve adhered dyes and to rinse with water to take the graffitti.

Also hot water (80°C – 90°C) to high pressure can be used (30-120 bars). We recommend on fragile supports, of low cohesion, to chorrear lessened pressure.

The protection DOESN'T have to reapplication after the cleaning. He is permanent.



To consult our technical service before any doubt.



Cleaning of work tools.

In liquid state the product can be cleaned with universal dissolvent. If spread the material already has hardened then is only possible to be cleaned with mechanical action.

Technical information.

Aspect	Brilliant or satin
Color	Colorless or transparent
Nature	Inorganic
Drying time	To the tact: 20°C – 10 min. / Totally dry: 20°C – 3 hours.
Time of delay between layers	Minimum 4 hours – Maximum 7 days.

IMPORTANT:

The information including in this list of credits is used exclusively for the description of the characteristics as the product, form of use and its applications. The set out data are based on our technical knowledge fruits of the investigation, of the tests in laboratory and practical experiences.

The data on consumption indicated in this card are based on our own experience, reason why they are susceptible to vary according to the conditions of work and application. The real consumptions will be due to determine in the work and are responsibility of the client.

For any doubt and additional advising our Technical Department is to its disposition. The guarantee only covers in case of defect in the quality of manufacture of the product, the incorrect application desoyendo the norms of the manufacturer is responsibility of the client.

Other applications of the product that do not adjust to the indicated ones in this card will not be of our responsibility.

JPS PINTORS 2012 S.L. reserves the right to modify the data including in this card fulfilling the evolution of the product in order to assure a constant valid information.

A new edition of this card annuls the present.

HLG SYSTEM[®]



The cleaning is the first weapon against the vandalic acts. Thanks to protection HLG SYSTEM, is fast, easy and economic.

1. How cleaning to the surface protected with HLG SYSTEM

The surface can be cleaned manually with suitable biodegradable cleaners, with neutral products (with water), with organic dissolvents (with smooth alcohol how ethanol, isopropílico alcohol, etc ...)

- 1.- To apply the cleaner to dissolve adhered dyes if necessary.
- 2.- To let act about 30 seconds.
- 3.- To take the graffitti with a rag.

Also cold water can be used or warms up (80°C-90°C) to high pressure (30-120 bars). We recommend on fragile supports, of low cohesion, to clean lessened pressure.

The protection DOESN'T have to reapplication after the cleaning. He is permanent.



2. Products adapted for the cleaning

On the protected surface it is recommended to use organic dissolvents with alcohol (isopropílico alcohol, butanol, etc...)

To consult our technical service before any doubt.



3. What it ISN'T necessary to do.

- To leave to the graffiti or the sticker long time without removing them.
- The dirt or the deterioration of the façade invites to more vandalic acts.
- To clear with metallic objects the graffittis or the stickers to remove them.
- To use a product of cleaning nonrecommended.