



GLASS COVER EUROPE, S.L.

AUTOVIA A2, km 496
25250 BELLPUIG – LLEIDA
TEL: +34 902 154 933
FAX: +34 902 361 844



HLG SYSTEM
THE SUSTAINABLE PROTECTION



GLASS COVER EUROPE, S.L.

AUTOVIA A2, km 496
25250 BELLPUIG – LLEIDA
TEL: +34 902 154 933
FAX: +34 902 361 844

COMPLETE PROTECTION

Today, keeping public spaces in good condition requires a lot of effort, it's usually a complicated job and at times it seems ineffective.

Unfortunately, every day and every night acts of vandalism take place which aesthetically affect public spaces.

To counteract these effects an equally quick answer is needed, so that the area or building's appearance does not quickly degenerate. Vandals can only be discouraged with a quick and complete intervention.

Eradicating this problem involves high costs in personnel (frequent interventions) and in products (cleaning and reapplication of the protective coat).

Only the HLG SYSTEM ® can give you an efficient, economic and long lasting answer.

HLG SYSTEM ® is a Japanese protection system, unique in its field.

HLG SYSTEM ® combines in one product the advantages of other, more specific products:

- ▶ **Permanent.**
- ▶ **Totally permeable to water vapour.**
- ▶ **It repels sprays, markers and stickers.**
- ▶ **Designed for mineral substrate and porous surfaces.**
- ▶ **Easy application for professionals.**
- ▶ **Easy cleaning with no need for aggressive, chemical products.**
- ▶ **Cost-effective in the short-term.**



GLASS COVER EUROPE, S.L.

AUTOVIA A2, km 496
25250 BELLPUIG – LLEIDA
TEL: +34 902 154 933
FAX: +34 902 361 844



GLASS COVER EUROPE, S.L.

AUTOVIA A2, km 496
25250 BELLPUIG – LLEIDA
TEL: +34 902 154 933
FAX: +34 902 361 844

PERMANENT PROTECTION

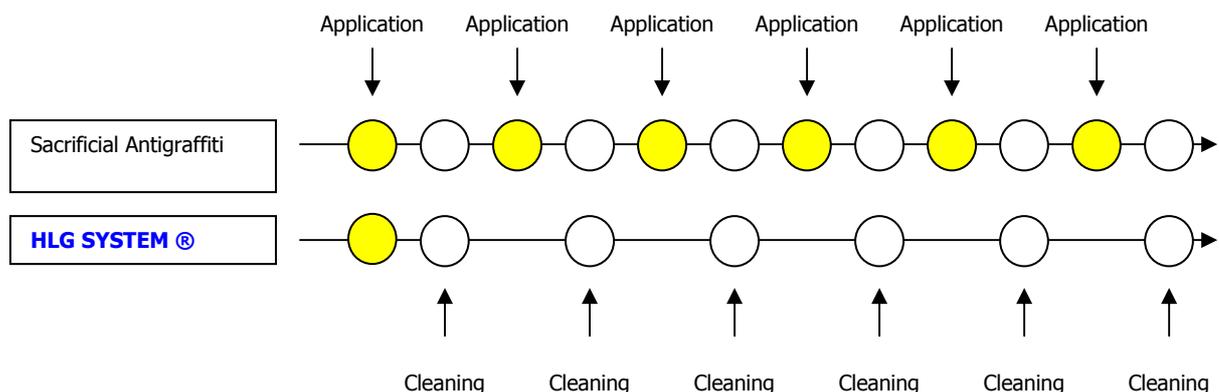
The HLG SYSTEM ® product offers global permanent protection. It is applied like paint and allows the following:

- To protect the surface against paint and sticker attacks.
- It acts as a filter against UV rays which attack the materials and provoke premature aging.
- It is colourless and therefore doesn't affect the surface's original colour

The applied product crystallizes by the effect of the evaporation of the dissolvent, and creates a fine glass coat on the surface (approx. 5 micrometers). This coat prevents paint or glue from penetrating the surface's pores.

The HLG SYSTEM ® protection doesn't wear away over time and it differs from other products on the market as it doesn't have to be reapplied after several cleans, and it's level of protection doesn't decrease after cleaning.

It is a permanent protection.



- **It's not affected by repetitive cleaning.**
- **It's not affected by UV rays.**
- **It's not affected by climatic conditions.**



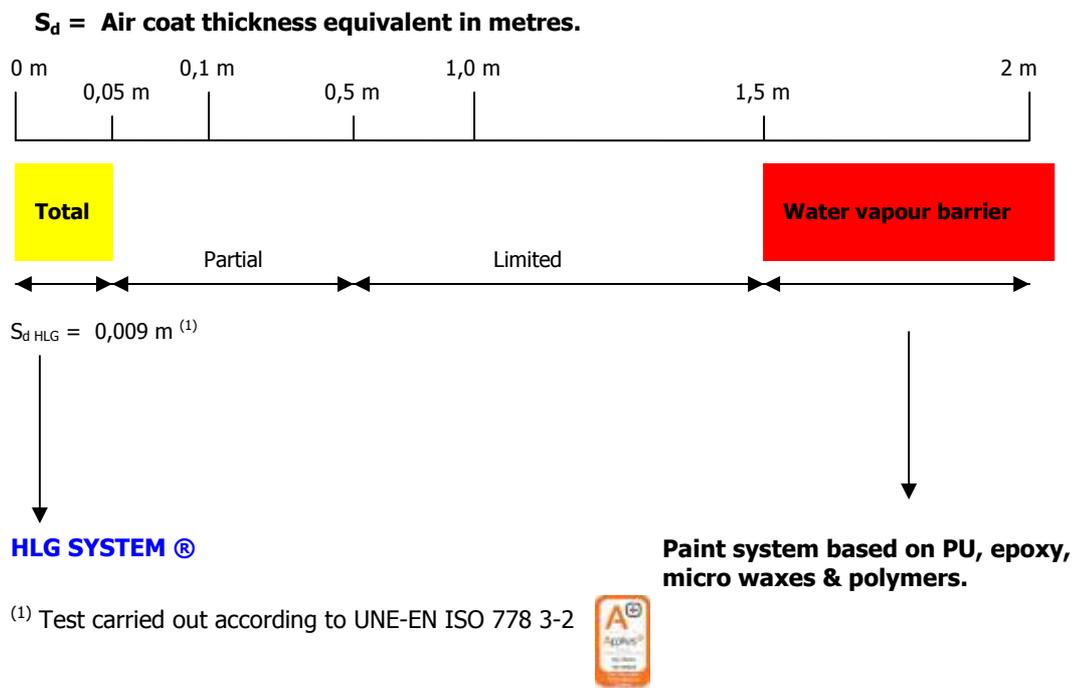
GLASS COVER EUROPE, S.L.

AUTOVIA A2, km 496
25250 BELLPUIG – LLEIDA
TEL: +34 902 154 933
FAX: +34 902 361 844

THE PROTECTION WHICH ALLOWS SUBSTRATE BREATHING

Furthermore, **its crystalline structure allows the protected surface to continue breathing and doesn't limit the water vapour movement.** Other permanent products with a polymer base seal the surface and leave the vapour inside, making it impossible for the surface to breathe.

Water vapour permeability:



- **It doesn't damage the substrate with trapped moisture**
- **Excellent conditions for conserved substrate**
- **The protected surface is not sealed**



GLASS COVER EUROPE, S.L.

AUTOVIA A2, km 496

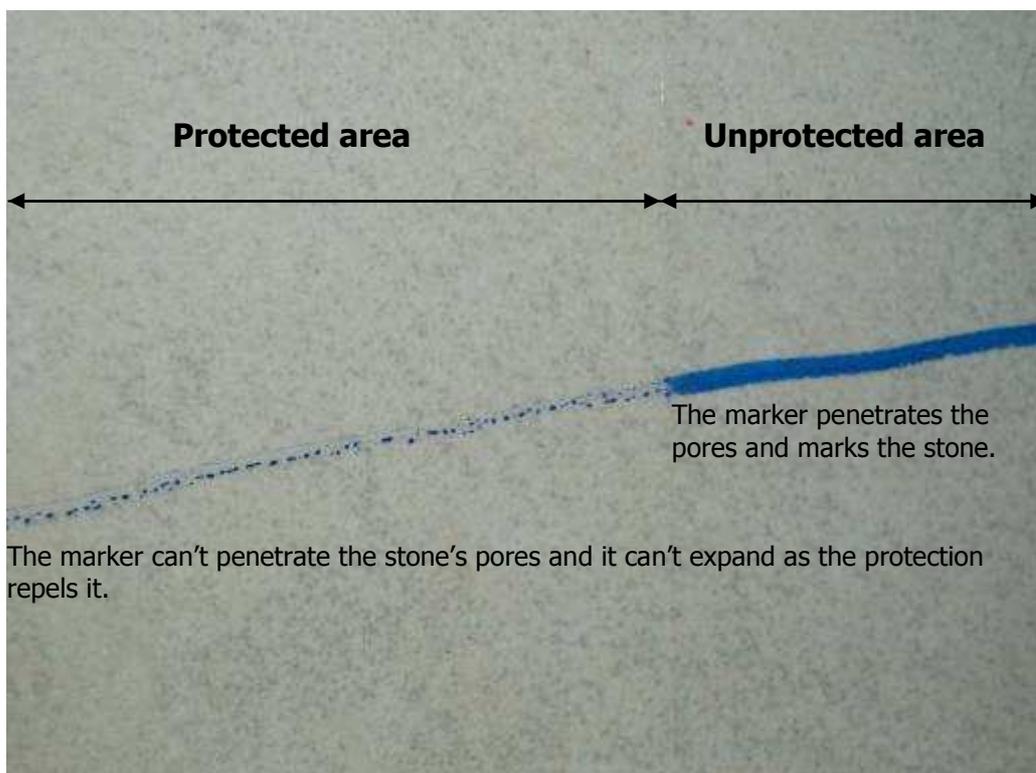
25250 BELLPUIG – LLEIDA

TEL: +34 902 154 933

FAX: +34 902 361 844

THE HYDROPHOBIC AND OLEOPHOBIC PROTECTION

The coat made up of **HLG SYSTEM**® SYSTEM is hydrophobic and oleophobic, i.e. **it prevents the penetration** of water, paints, inks, **all liquids** in general, **by repelling them.**





GLASS COVER EUROPE, S.L.

AUTOVIA A2, km 496
25250 BELLPUIG – LLEIDA
TEL: +34 902 154 933
FAX: +34 902 361 844

PROTECTION FOR BUILDINGS AND STREET FURNITURE & FIXINGS

The **HLG SYSTEM** ® protection is designed for porous, absorbent, rough and polished building materials, as well as for metallic surfaces. The protection doesn't affect the physical appearance or the colour of the surface.

- ▶ **Marble.**
- ▶ **Natural and artificial stone.**
- ▶ **Cement.**
- ▶ **Brickwork.**
- ▶ **Concrete.**
- ▶ **Granite.**
- ▶ **Ceramic.**
- ▶ **Metals (Aluminium, Stainless steel, etc...).**
- ▶ **Painted surfaces.**

The **HLG SYSTEM** ® protection is adapted for both old and new building work, as well for the conservation of historical monuments.

- **It doesn't affect the facade's appearance.**
- **Excellent conditions for substrate.**
- **The protected surface is not sealed.**
- **Easy graffiti removal.**
- **Perfect for historical monuments.**



GLASS COVER EUROPE, S.L.

AUTOVIA A2, km 496

25250 BELLPUIG – LLEIDA

TEL: +34 902 154 933

FAX: +34 902 361 844

EASY APPLICATION

The **HLG SYSTEM**® is applied like paint, using the same tools as with standard paint (a brush, roller, pneumatic elements etc...). No special tools are needed.

- **Standard equipment**
- **Easy application for professionals**





GLASS COVER EUROPE, S.L.

AUTOVIA A2, km 496
25250 BELLPUIG – LLEIDA
TEL: +34 902 154 933
FAX: +34 902 361 844

EASY & NON-HARMFUL CLEANING

The result is that the graffiti is removed effortlessly.

We achieve **easy** (no graffiti cleaning technical knowledge is needed) and **very cheap maintenance** (no special chemical product or heavy material like a pressurised water unit or similar is needed).

Furthermore, **it is environmentally friendly** as there is no need to use aggressive chemical products to remove the graffiti.



- **Simple and cheap maintenance.**
- **Environmentally friendly maintenance**



GLASS COVER EUROPE, S.L.

AUTOVIA A2, km 496
25250 BELLPUIG – LLEIDA
TEL: +34 902 154 933
FAX: +34 902 361 844

THE HLG SYSTEM ® IS VERY COST-EFFECTIVE

The anti-graffiti products which exist in today's market may seem more economical at first glance, but when you add the cost of re-applying after cleaning, and the cleaning products, the **HLG SYSTEM ®** solution offers many advantages compared to other systems.

- ⇒ Application of the **HLG SYSTEM ®** product is simple and is done using standard equipment.
- ⇒ Cleaning a surface protected with the **HLG SYSTEM ®** is very easy and quick. There is no need to use an aggressive, chemical product as PH neutral and biodegradable products are sufficient. Pressurised hot water is not necessary either.
- ⇒ **HLG SYSTEM ®** gives permanent protection which doesn't need to be reapplied after cleaning. Its properties remain intact over the course of time.
- ⇒ **HLG SYSTEM ®** is a protection which allows the surfaces to breathe, therefore allowing the movement of water vapour. The original appearance of the protected surface is conserved and maintained over time.

With all of these properties, the HLG SYSTEM ® allows cheap and environmentally friendly maintenance.



GLASS COVER EUROPE, S.L.

AUTOVIA A2, km 496
25250 BELLPUIG – LLEIDA
TEL: +34 902 154 933
FAX: +34 902 361 844

APPLICATION REFERENCES

LAMP-POSTS AND TRAFFIC LIGHTS

Lighting elements in cities are one of the most often used places when it comes to sticking papers and posters. Over time, the glue penetrates the surface and the sticker can't be completely removed.

The only way to remove these papers without scratching the surface is by using very strong chemical products or with pressurised water (this is complicated as the electric circuit needs to be switched off and access to the area being cleaned must be closed).

Keeping lamp-posts and traffic lights clean is expensive, and their clean appearance doesn't last very long.

The HLG SYSTEM ® allows you to protect these elements so that cleaning them is very easy.

The posters are effortlessly removed as the glue doesn't penetrate the surface.

The street cleaning teams manage to remove all the posters without wasting time, and the streets always look clean.

FONTANELLA Street (Catalunya Square) - Barcelona

BEFORE



AFTER





GLASS COVER EUROPE, S.L.

AUTOVIA A2, km 496
25250 BELLPUIG – LLEIDA
TEL: +34 902 154 933
FAX: +34 902 361 844

PARKS AND GARDENS

City parks and gardens are areas that suffer most from acts of vandalism. As they are places where people meet, they are under continuous attacks.

In a small area there is a large amount of very varied street furniture and fixtures (benches, lighting, children's play areas, steps, urban art structures). Their maintenance is very complicated.

Keeping parks clean and graffiti-free is expensive, and the clean appearance only lasts for a short time.

The HLG SYSTEM ® allows you to protect these elements so that cleaning is very easy and the park has a clean appearance.

The posters are effortlessly removed as the glue doesn't penetrate the surface.

The graffiti is removed with no need for specific material or specialist products.

Ronda de Guinardó Park - Barcelona

BEFORE



AFTER





GLASS COVER EUROPE, S.L.

AUTOVIA A2, km 496

25250 BELLPUIG – LLEIDA

TEL: +34 902 154 933

FAX: +34 902 361 844

BAIXADA DE LA GLORIA Pedestrian Street (GÜELL Park) - Barcelona

The product can be easily applied on stainless steel surfaces.

BEFORE



AFTER

