



ingarden

ARTIFICIAL GREEN WALLS

TECHNICAL SHEET

Green walls are beautiful decorative pieces that give life to modern architecture. The natural ones do have some caveats. It is necessary to ensure direct sunlight, they require complex irrigation systems, and technical expertise for maintenance, which incurs in maintenance costs.

Artificial greens are becoming so similar to real life plants and bushes that is well worth considering it as an alternative to natural green walls/vertical gardens.

Here are some of the **advantages of choosing an artificial green wall**:

- Low upfront costs
- Very low maintenance costs
- Easy to install
- No need to adapt the wall
- It does not require direct sunlight, water or complex irrigation systems
- No ripping leaves and dark foliage, as the plants never grow old

1. MATERIALS

The materials used for the production of the artificial green walls are high quality, employing the most advanced technology for manufacturing and printing both the stems and the leaves, this way ensuring a final result very similar to the natural equivalent.

2. SUPPORT

- Installed in 5mm MDF tables or in 8mm marine grade plywood
- More advanced models may also require expanded polystyrene, depending on the features of the wall. The size of each panel may be specified by the client

3. USE

Ideally, the artificial green walls are to be used indoors. Some of our models may also be used in an external space, provided that they are protected from constant sunlight and strong winds. These external models have an anti-UV treatment that provides protection for up to 2000-3000 hours of direct sunlight, which is equivalent to about 2 to 3 years of exposure. Afterwards, the colors of the leaves may start degrading. Durability may be extended through an application of an anti-UV spray (see point 8), done every year.

4. INSTALLMENT

The vertical gardens are ready to install, only requiring to be wall mounted by screwing up the panels. Each panel is numerated for an easy deployment.

5. DURABILITY

Our green walls may last for more than 10 years, as long as they are used indoors and protected from vandalism (in the case of public spaces). When installed outdoors, the durability will depend on particular weather conditions.

6. MINIMUM PRODUCTION AREA

- 2 sq. meters

7. FLAME-RETARDANT SYSTEM

We provide a flame-retardant system, which may be installed as per a legal requirement or by the client's request. If not explicitly requested, normal wood boards will be used instead. The flame-retardant system is comprised of:

- Retardant system M1 class (w/ M1 certificate)
- Metallic support structures instead of wood boards

The flame-retardant system has an additional cost of approximately 120€ - 150€ per sq meter.



8. CLEANING AND ANTI-UV MAINTENANCE

For best results we suggest at least one cleanup every year. You should use specific products for this purpose, which are available on the market or may be purchased directly from us.

- Cleaning product Mr Mike:
 - 500 ml: 5.25€
 - 5 lt: 33.50€ (approx. 1 lt for each sq mt)
- Anti-UV spray for green walls installed outdoors: 15€ (approx. 2 sq mts)



9. TRANSPORT AND DEPLOYMENT

We ship the vertical gardens in pallet containers for increased protection. We also provide deployment services in any part of the world. Contact us for a quote.

