Viaplant® BOARD

# TECHNICAL DOCUMENTATION

***PRODUCT NAME***

Viaplant BOARD

***INTRODUCTION***

Immerse your space in the beauty of nature with our exquisite laminated wall panels, meticulously crafted with real preserved plant materials.

Each sheet showcases delicate vibrant petals, and textured leaves, encapsulated beneath a crystal-clear protective layer that enhances their organic charm while ensuring durability.

The intricate details of nature's artistry bring depth, warmth, and a sense of tranquility to any interior, making every wall a unique, living masterpiece.

Perfect for those who appreciate natural elegance with a modern, lasting finish.

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***PRODUCT DESCRIPTION***

Viaplant® BOARD is a composite material, where plants are paired with a resistant, water-clear binder, durable and easy-to-clean surfaces for a range of applications.

Viaplant® BOARD is a combination of plant material, transparent binder and MDF composite wood panels serving as a backing

Decorative wall covering containing real plant material.

The composite panel has low-temperature toughness, stress-crack resistance, waterproof properties, and resistance to UV radiation.

***PRODUCT SPECIFICATION****

Board size: 2400 x 1150mm

MDF thickness can vary: 3-40mm

Overall thickness: 2mm (+/- 0,6mm)**

Weight: 800 g/m2 (+/-30%)** (+ the weight of the MDF backing vary based on specified thickness and density)

* Specifications are subject to change without notice.

**the exact specification may vary due to chosen plant material and it's density

***BENEFITS AND PROPERTIES***

Perfect smudge and water-resistance, soft touch

Highly resistant to wear and tear as well as resistant to abrasion

The noise-dampening nature of the bonding copolymer used gives the material sound absorbent properties

## *BENEFITS AND PROPERTIES*

Due to the natural plant content some colors may fade with time depending on the exposure to natural or artifical lighting

Some artificial lighting and direct sunlight accelerate the fading of the plant material

Not yet certified for flame retardancy (certification in progress)

Excellent water, soap, detergent, oil and sovent resistance***

***For further information read through our FAQs or contact us directly!

## *KEY APPLICATION*

Wall coverings, wall tiles, partition wall

Furniture boards

Creative material for custom products

## *STORAGE INSTRUCTIONS*

The shelf life of this media is 12 months under normal conditions (10°C – 35°C at a relative humidity 40% - 60%).

Higher humidity and/or temperature can affect the product performance.

Always store the media in a dark place in its original packaging.

Store the panels flat, do not bend the sheets.

## *DIRECTIONS FOR USE*

Before using the media the user must examine the suitability of the media for each application.

Use only on flat surfaces.

It is recommended to adapt the material to indoor climate at least 24 hours before usage.

Customisable with carpentry and diamond tools. Possibility to cut into curved shapes.

Fixing with gluing, framing, point fixtures depending on the specific application.

Cleaning and maintainence with usual household cleaning products.

Because of the material's characteristics, the pattern cannot be seamlessly aligned between adjacent panels.

Since real plant materials are used in the panels, the patterns will not be uniform.

Future manufacturing batches may not perfectly match earlier produced patterns.

For indoor use only.

THERMAL LOAD RESTRICTIONS:

The product is intended for use only in normal indoor environments. The maximum permissible surface temperature of the panels is 50 °C. A minimum safety distance of at least 50 cm must be maintained from open flames and other direct heat sources. Exceeding the temperature limit or exposure to radiant heat may result in material damage (deformation, delamination).

## *SERVICE LIFE*

The reference service life is 1 year.

We shall not assume liability for non-performance of the media.

## *QUALITY CHARACTERISTICS AND ACCEPTED NATURAL VARIATIONS*

Due to the manufacturing technology and the inherent natural inhomogeneity of the plant components used in the composite material, the following phenomena may occur and **shall not be considered manufacturing defects:**

**Presence of Foreign Materials**

Maximum allowed ratio of non-plant-based foreign materials: 0.05% / $m^2$

Maximum allowed ratio of plant-based foreign materials: 0.10% / $m^2$

**Plant Coverage and Uniformity**

Permissible variation in plant material density between sample surface units (50×50 cm): ±20%

**Surface Homogeneity**

Maximum total area of acceptable surface imperfections: 0.10% / $m^2$

**Surface Wrinkling**

Surface wrinkling may occur on up to 20% of the total surface area

## *PHENOMENA NOT CONSIDERED AS PRODUCT DEFECTS WITHIN THE WARRANTY PERIOD*

During the product's use and within the warranty period, the following changes **shall not be classified as product defects:**

**Color Fading** – minor fading may occur due to the natural origin of the plant material

**Thermal Expansion** – the composite material may react to temperature changes

**Delamination (Layer Separation):**

May occur along edges, cutouts, or drilled holes up to a maximum width of 20 mm

Localized delamination on the surface is permissible: 10–20 mm in diameter, with a maximum frequency of 10 instances / $m^2$

Localized delamination on the surface with a diameter below 10 mm is not considered a defect.

## *POTENTIAL MANUFACTURING VARIATIONS IN CASE OF ORDERS PLACED AT DIFFERENT TIMES*

Due to the natural composition of Viaplant Flies and the seasonal and geographical variability of the plant-based raw materials, in the case **of orders placed at different times**, or subsequent repeat or supplementary orders, the following **cannot be guaranteed:**

Full availability of the plant materials used in previous production batches

Visual consistency with earlier production, including **color tone, texture, and coverage**

Identical technical specifications to previous batches

These deviations resulting from the natural raw materials **shall not be considered manufacturing defects.**