Viaplant® CAST

TECHNICAL DOCUMENTATION

PRODUCT NAME

Viaplant CAST

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.

PRODUCT DESCRIPTION

Viaplant® CAST is a composite material, where plants are paired with a resistant, water-clear binder, providing lightweight, durable and easy-to-clean surfaces.

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*

Size: 2100 x 1100 mm

Weight: 3,8 kg/m2 (+/-30%)**

Thickness: 2.8-6 mm (contact sanded 3 mm (+/-0,3mm)

Opacity: >98%**

* 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

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

Water resistant, water repellent; enclosing treatment of cut edges are required in wet conditions

Based on the MSZ EN ISO 11925-2:2011 test classified as MSZ EN 13501-1:2007+A1:2010 'E' category

Surface hardness: barcol 45

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

Kitchen splashback

Creative material for custom products like lamp shades, and furniture finishing

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.

Fiwing with gluing, framing, point fixtures.

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.

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.**