

PRODUCT DATA SHEET

Avery Dennison® Organoid Natural Surfaces

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Introduction

Natural Surfaces from Organoid® are made of natural raw materials. They consist of hand-cut Alpine Hay, Margarites and Green Moss and handcrafted climate neutral. Thus, they retain most of their natural properties, and allow a multi-sensorial experience such as their fragrance, feel, and look. They are specially designed for new interior decoration providing a natural and elegant touch to the area.

Conversion

For Information on cutting, application, maintenance and removal please refer to TB. 3.22. Application of Organoid Natural Surfaces. To ensure application suitability, the substrate/ adhesive compatibility and satisfactory product performance always do a pilot test of the proposed construction under actual application before going into full scale production.

Recommendations

Short to medium-term indoor architectural applications. The high tack adhesive ensures excellent adhesion on a wide variety of difficult substrates such as smooth and slightly textured walls, plasterboard, chipboard, metal, concrete, furniture surfaces among others.

Features

- » Highly decorative and minimalistic natural surface for new interior decoration designs
- » Excellent preservation of the natural characteristics of surface
- » Eco-friendly product due to the organic origin of the Organoid Natural Surface
- » Robust durability up to five years
- » Excellent adhesion to a wide variety of substrates
- » Easy to cut and apply.
- » Interior application only - without direct UV exposure and for vertical usage



Face Film

Organoid Natural Surfaces: Green Moss and Mountain Hay



Adhesive

Acrylic adhesive PET reinforced for mechanical and dimensional stability



Backing

Yellow Glassine



Durability

5 years indoor



Shelf Life

18 months

Physical Characteristics

	Test method ¹	Results
Product		
Surface coverage (%)		Moss Bright/Dark Green: 80 Montain Hay versions: 60
Caliper, facefilm + adhesive (micron)	ISO 534	Moss Bright/Dark Green: 800 Montain Hay versions: 1000
Dimensional stability (mm max.)	FINAT FTM 14	Moss BrightGreen: 3.5 Moss Dark Green: 2.0 Montain Hay versions: 0.2
Shelf life (years)	Stored at 20° C/50-65 % RH	1.5
Durability ² (years)	No direct sunlight exposure, 50-65% RH	5
Adhesive		
Adhesion, initial (N/25mm)	FINAT FTM-1, stainless steel	Moss Bright/Dark Green: 33.4 Montain Hay versions: 16.7
Adhesion, after 24 hours (N/25mm)	FINAT FTM-1, stainless steel	Moss Bright/Dark Green: 36.9 Montain Hay versions: 17.9
Temperature range		
Application temperature (Minimum: °C)		10
Service temperature (°C to +°C)		10-40
Certificates		
Fire	EN13501 (Provisional classification*)	D-s1, d0
VOC Emissions	AgBB 2018	Tested on Moss Dark Green: pass
Odour testing	VDA recommendation 270:2018-06	Tested on Montain Hay versions: 3

*The test has been performed using gypsum plasterboard.

Special Notes

Similar to other materials made of natural fibers, our natural surfaces also breathe, i.e. they swell and shrink with the change in humidity in the room. This biochemical process can cause individual parts to detach from the surface. This is not a loss of quality, but a sign of the authenticity of the surface.

Organoid Natural Surfaces consist of natural plant fibers, which is why individual products of the same type may differ slightly in color, scent or fiber properties. Minor deviations (such as but not limited to are: slightly different colors, lengths and diameters of fibers as well as coverage) of these biological characteristics therefore do not constitute defects and do not provide a basis for warranty claims. We do our best to keep the variation in natural characteristics as low as possible by carefully checking each of our raw materials, labelling them with a batch number and trying to use natural materials from the same batch for larger deliveries.

In the case of natural surfaces with moss, temporary changes to the surface may occur under certain climatic conditions. Due to physical processes, small salt crystals can be formed on the surface at a relative humidity below 40%. These crystals are of natural origin and are not hazardous to health. Moreover, they can simply be removed carefully with a lint-free dry cloth. Even in its compressed state, the natural moss largely retains its property of storing room humidity and slowly releasing it back into its environment. This has a positive effect on the indoor climate. The haptics and the dimensions of the moss can be different due to changing room humidity: with increased room humidity, the surface appears softer, with low room humidity it becomes harder and more brittle. This is the natural behavior of moss. Because the moss is an upcycling product it is possible that there are moss particles with different colors in the surface.

Organoid Natural Surfaces are made of 100% natural raw materials and are subject to the natural aging process especially through UV light. Due to the manufacturing process of the natural raw materials slightly colored pressing joints may appear with an interval of 3 m. The event of tunneling on the liner paper can be caused by humidity exchange between the liner and room humidity, thus the control of the relative humidity is very important. For further information about what is considered a defect, please refer to TB 3.22 Preparation and Application of Avery Dennison Organoid Natural Surfaces

Important

Information on physical and chemical characteristics and values in this document are based upon tests we believe to be reliable and do not constitute a warranty. They are intended only as a source of information and are given without guarantee and do not constitute a warranty. Purchasers should independently determine, prior to use, the suitability of this material to their specific use.

All technical data are subject to change. In case of any ambiguities or differences between the English and foreign versions of this document, the English version shall be prevailing and leading.

1) Test methods: More information about our test methods can be found on our website.

2) Durability: The durability is based on middle European exposure conditions. Actual performance life will depend on substrate preparation, exposure conditions and maintenance of the marking. For instance, in the case of signs facing south; in areas of long high temperature exposure such as southern European countries; in industrially polluted areas or high altitudes, exterior performance will be decreased..

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