

# PRODUCT DATA SHEET

## Avery Dennison® Organoid Natural Surfaces - Translucent Issued: 10/2021

### Introduction

Natural Surfaces from Organoid® are made of natural raw materials. The translucent versions consist of rose petals, sunflowers or skeleton leaves. They retain most of their natural properties, and allow a multi-sensorial experience such as their fragrance, feel, and look. They are handcrafted climate neutral and 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 conditions before going into full scale production.

### Recommendations

Short to medium-term indoor architectural applications. The translucent versions are ideal options for indoor glass windows, doors and glass partitions, offering a degree of privacy. At the same time, the high tack adhesive ensures excellent adhesion on a wide variety of other 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
- » Translucent surfaces providing a degree of privacy
- » Excellent preservation of the natural characteristics of surface
- » Eco-friendly product due to the organic origin of the Organoid Natural Surface
- » Robust interior 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: Rose Petals, Sunflowers Petals or Skellet Leaves



#### Adhesive

Acrylic adhesive PET reinforced for mechanical and dimension stability



#### Backing

Yellow Glassing



#### Durability

5 years, indoor



#### Shelf Life

1.5 years

## Physical Characteristics

Product	Test method <sup>1</sup>	Results
Surface Coverage (%)		Skeleton Leaves : 85 Rose and sunflower Petals: 65
Caliper, facefilm + adhesive (micron)	ISO 534	Skeleton Leaves: 85 Rose and sunflower Petals: 65
Dimensional stability (mm max.)	FINAT FTM 14	Skeleton Leaves: 0.16 Sunflower Petals: 0.44 Rose Petals: 0.53
Shelf life (years)	Stored at 22° C/ 50-65 % RH	1.5
Indoor Durability <sup>2</sup> (years)	Vertical exposure	5
<b>Adhesive</b>		
Adhesion, initial (N/m)	FINAT FTM-1, stainless steel	Skeleton Leaves: 22.7 Sunflower Petals : 22.4 Rose Petals: 28.5
Adhesion, after 24 hours (N/m)	FINAT FTM-1, stainless steel	Skeleton Leaves: 22.5 Sunflower Petals: 25.5 Rose Petals: 30.3
<b>Temperature range</b>		
Application temperature (Minimum: °C)		10
Service temperature (°C to +°C)		10 - 40
<b>Certificates</b>		
Fire	EN13501 (Provisional classification*)	C-s1, d0
VOC Emissions	AgBB 2018	Tested on Rose Petals: Pass
Odour testing	VDA recommendation 270:2018-06	3.5

\*The test has been performed using gypsum plasterboard

### Special Notes

The rose and sunflower petals and skeleton leaves are Organoid® surfaces 100% handmade. There can be areas with higher and lower coverage. That is the natural look of this surface and the product is fit for application as long as the total coverage is met. In the case of the Skeleton Leave Surface the coverage with leaves is of approx. 85%. That means there could be a limited number of small spots without leaves.

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.

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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