

# Organoid® Manual

Version 1.3: November 2024

## Recommendations for installing Organoid® on Flexi



Installation as  
wallpaper



Installation as a decorative layer  
in woodworking

# Table of contents

|   |   |
|---|---|
| STORING ORGANOID® NATURAL SURFACES _____              | 3 |
| PLEASE NOTE _____                                     | 3 |
| INSTALLATION AS A WALLPAPER _____                     | 4 |
| Glue recommendations _____                            | 4 |
| Preparation of the surface _____                      | 5 |
| Wallpapering _____                                    | 6 |
| Removal _____   | 7 |
| PROCESSING AS A DECORATIVE LAYER IN WOODWORKING _____ | 8 |
| Hot press and separating paper _____                  | 8 |
| Processing _____                                      | 8 |
| Counter-balance _____                                 | 9 |
| Final steps _____                                     | 9 |

## Storing Organoid® natural surfaces

Bring to room temperature before unpacking. Store product in closed, dry rooms, at a normal temperature and protected from light (at about 20°C and 30-60 % relative humidity).

Storage recommendations:

- Rolled goods: hanging system (e.g. paternoster)
- Single panels: horizontal position (e.g. drawer system)

## Please note

In case any anomalies and/or defects occur, Organoid® has to be contacted in written form immediately. Please check before installation if the delivery has any anomalies and/or defects.

Natural surfaces by Organoid® are made from natural plant fibres, therefore individual products of the same type may vary in colour, smell, or texture. Allow for the dimensions of the surfaces to vary up to +/- 2%, as they are unavoidable from a technical point of view. Small deviations due to these biological properties are therefore not a reason for complaint or warranty claims.

# Installation as a wallpaper

## Glue recommendations

We recommend **Glutolin ECC extra clear** for the application of Organoid® wallpapers. Follow the manufacturer's instructions for use. The glue can be purchased directly from Organoid® (5kg tubs).

- Technical Data Sheet: [https://www.organoids.com/wp-content/uploads/2024/03/ti\\_g\\_glutolin\\_ecc\\_en.pdf](https://www.organoids.com/wp-content/uploads/2024/03/ti_g_glutolin_ecc_en.pdf)

### Specific notes for the product KAFFEELEDER on Flexi:

This surface tends to form mycelia when stored in complete darkness, as it contains moisture and spores that occur naturally in coffee particles. This white film is completely harmless and does not spread to other products. It can easily be removed with a soft cloth. Moreover, the effect only occurs when the product is stored for an extended period of time and can easily be remedied. It has not been observed in the built in product.

## Preparation of the surface

The base must be dry, stable, evenly absorbent, clean, dust-free, smooth, sufficiently even for wallpapering and of a neutral colour. Eliminate stains or colour differences on the wall with a suitable pigmented wallpaper primer to prevent them from shining through.

Cracks, holes and unevenness must be repaired with suitable measures before wallpapering. Recently plastered walls must be fully dried. Prime highly absorbent surfaces with a suitable non-pigmented or water-based primer.

### Base:

| Surface              | Base layer |                             |                           |
|----------------------|------------|-----------------------------|---------------------------|
|                      | Glue       | Wallpaper primer colourless | Wallpaper primer coloured |
| Plaster (Plc-PIII)   | x          | x                           | x                         |
| Gypsum plaster (PIV) | x          |                             | x                         |
| Concrete             | x          | x                           | x                         |
| Gypsum-wallboard     | x          | x                           | x                         |
| Gypsum fibreboard    | x          | x                           | x                         |
| Gypsum plasterboard  |            | x                           | x                         |

Even absorption of surface needs to be ensured after priming

## Tools

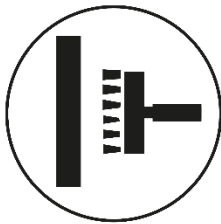
### Recommended tools:

- Cutting knife and wallpaper scissors
- Short fibre paint roller & brush (for the corners)
- Laser level or plumb bob
- Rubber roller & seam roller
- Wallpapering ruler
- Clean lint-free cloth & soft clean brush

# Wallpapering

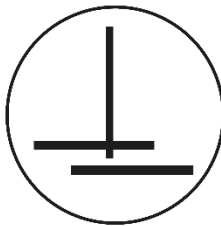
## We recommend:

- **Pre-inspect the strips visually** for deviations and/or defects before processing and, if necessary, reverse hang them.
- **Pre-trials**
- Start at window or **light source**
- Pay attention to **room temperature** +18 up to +25C, **air humidity** 30 - 60% and airflow



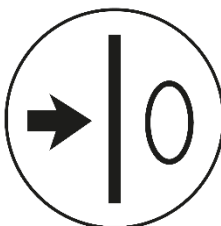
### Wallpapering technique:

Create a plumb line for the first panel. Fully and evenly saturate wall for each track individually with glue, using a short-fibre paint roller and a brush for the corners. Keep back of the wallpaper dry and clean. Apply the wallpaper without pre-soaking onto the glued surface. Press down panels with rubber roller, avoiding bubbles or folds. Cut away excess wallpaper using a ruler and a cutting knife.



### Overlap and double-cut:

Apply the glue for the second panel. Each panel overlaps approx. 2 cm with the one next to it. Take into consideration possible imperfections 1-2 mm around the edges. Use a bar or a long ruler to cut both panels at the same time, to make them fit at the seams. Press in with a seam roller.



### Free match:

The naturally scattered materials do not require matching patterns between panels.

## Final steps

Dab off paste stains on the surface with a cloth. For the drying process, keep the windows closed and do not heat excessively. 18-22°C, without draft is ideal.

After the wallpaper has dried, remove detached fibres with a dry cloth. Fibres might come off due to the wallpaper being wet from the glue, which is normal.

Organoid® does not bear liability to damages caused by cleaning the surface.

## Removal

Pull wallpaper off the wall and remove leftovers with spatula or scraper.

Tip: pre-cut wallpaper into tracks for easier removal (perhaps use water and wallpaper stripper beforehand).

# Processing as a decorative layer in woodworking

## Hot press and separating paper

The Organoid® products on Flax backing and Ecofleece can be processed with normal wood-working machinery. Use separating paper enclosed between hot press and surface to protect the pressing plate and do not press at temperatures higher than 60°C, in order to protect the positive properties of the natural materials. We recommend the use of white glue.

### Guidelines

- Max. pressing temperature. 60°C
- Max. pressure 1 kg/cm<sup>2</sup>
- Glue application: approx. 100 g/m<sup>2</sup>
- Pressing time: approx. 15 minutes

## Processing

- Checking the surface for anomalies and/or defects **BEFORE** processing
- Cut to the desired size using a cutter knife and double-cut the seams for a perfect fit
- Apply glue (e.g. white glue) evenly and completely onto the wood material, not on the non-woven. Adapt amount of glue to the surface, as the non-woven backings may take up the moisture, leading to glue stains. We recommend pre-trials before first using our products in any case.
- Apply glue vertically and horizontally using a roller.
- Put surface onto wood material and cover with included separating paper to avoid damaging the surface
- Do not press at temperatures higher than 60°C
- Take finished piece out of the hot press as quickly as possible and let cool evenly
- Cut off excess material or bend around the edges



## Counter-balance

Most natural surfaces generally do not have a great impact on warpage due to their low thickness. For sensitive applications, we offer a counterbalance: either empty coating paper or the empty backing material of the surface in question

## Final steps

Glue stains on the surface can be removed with a dry cloth or a brush.