

FAQs Organoid® Decorative Coatings

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What are Organoid® Decorative Coatings?

Organoid® Decorative Coatings are completely made of natural raw materials usually applied on HPL (High Pressure Lamintes) support boards. The complex manufacturing process is essentially manual in order to retain most original properties of the organic coating and guarantee a long lasting multi-sensorial user experience.

How sustainable are the Organoid® Decorative Coatings and where are they produced?

In our plant, in the heart of the Alps, we adopt ecological and sustainable production techniques. This starts with the supply of 100% green electricity and ends with our binders that are up to 100 % biodegradable and of course free of biocides, plasticizers and solvents. We only use natural and authentic source materials that are normally not processed in the conventional manufacturing. We also pay attention to the impact of trasportations privileging the shortest transfer distances in our region.

Where can Organoid® Decorative Coatings be applied?

Organoid® Decorative Coatings are designed for vertical lightduty indoor applications or roofed outdoor applications, e.g. wall paneling or furniture fronts. Organoid® Decorative Coatings are delivered untreated and have different abrasion and water resistance depending on the raw material. By coating, these factors can be raised.

Organoid® Decorative Coatings should be protected from prolonged moisture/humidity and therefore should not be applied in bathrooms or steam baths with high air flow rates to prevent premature aging, swelling and shrinking and the decrease of the fibers' natural scents.

Is there a minimum order quantity and how big is the effective usable area

Our minimum order is 1 panel (format 3050x1320mm, that is 4,026 square meters). For production reasons, the border is all around on a width of 0 - 20mm or only partially covered with organoid materials. Depending on the decorative, is necessary a trimming of about 20mm. In the rough textured surfaces such as **LAWENDL**, **PFEFFARMINZ** and **RINDÄ** must be trimmed slightly wider, depending on your personal assessment.

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Can the sheets be customized?

Organoid® Decorative Coatings are produced with a size of 3050x1320mm (according to EN 438). We can produce unique surfaces from all biogenic materials using different techniques that are customized to the needs of customers and designers. Therefore also other support boards like CPL from 0,5mm, "emission free" HPLs, papers, nets, leather, plywood and more can be used.

What fire protection class reach the products ?

For fire safety reasons, we use standard flame-retardant phenolic resin bonded laminated boards with grinded back. As a first decorative **WILDSPITZE** has been tested and classified in accordance with EN 13501-1 according to B s1 d0. Further testing for other decors are in preparation.

What is the recommended bending radius of Organoid® Decorative Coatings?

Our panels allow different bending radii, depending on the coating thickness (0.05 mm to 3.5 mm) and on the material . All can be processed with a minimum bend radius of 350mm. In some products, such as **BAMBOART, ROSCHT** and **KAKAU**, this can also be much lower.

Why do the sheets crumble?

Organoid ® materials breathe – they well and shrink at changes of humidity. That is why it is natural for single stalks or other parts to break away from the surface.

What is the product life expectancy of Organoid® Decorative Coatings?

Within normal climatic conditions the product life expectancy of our Organoid® Decorative Coatings is comparable with the one of a wood chipboard. Some surfaces/coatings, especially those which contain chlorophyll, are subject to a natural aging process, e.g. through UV light. To reduce this effect we use a light-stabilizer agent. For higher UV protection, the surface can be provided with additional lightstability agents.

Can I make the panel by scratch-resistant coating?

For increased protection against moisture and scratches the surface can be painted, oiled, waxed, impregnated or used under glass. Some of the natural raw materials contain (especially hemp nut shells for the decor **HONF**) oils and fats. In these cases the coating is not or hardly possible. Basically, good results were achieved with acrylic paints. Preliminary tests on samples are always recommended.

How long does a coating scent?

Organoid ® products are made from natural materials and they largely maintain all the natural properties, such as odor and partly those that might cause allergies. Some materials have only a light odor (eg **SKELETTBLATTLA, ROSCHT, WOLLÄ**), others a very intense and long-lasting scent. The fragrance intensity decreases with time continuously, but can be refreshed by wetting and rubbing again. In **ROASA** we expect a fragrance release over a period of about 20 years.

The intensity of the fragrance strongly depends on the processing temperature, the change of air and humidity variations, so that characteristic can vary.

The fragrances of decorative coatings of Organoid have a totally natural and no added fragrances or artificial flavors.

In particular, when using decorative coatings strongly scented, you may well perceive the characteristics of various fragrances. The intensity of scents can be significantly reduced due to the use of paint coating on the surface.

Is this material suitable for human consumption?

Organoid ® decorative coatings are not suitable for human and animals consumption, also without a carrier material. It is not excluded that individual particles can be dissolved from the surface, this applies especially all decorative coatings such as **PFEFFARMINZ** and **LAWENDL, RINDÄ** and **ROASA** to.

Is each plate exactly the same?

In the preparation we look 40 parameters, so the processes are monitored and adjusted to provide a very high quality and consistent appearance. Because of the natural essence of raw materials and processes of manufacturing may vary difference in color and composition between production runs. This is also dependent on various factors, such as temperature and humidity.

How the panels are delivered?

Depending on the decorative coating and size of your order, we deliver flat in a sturdy wooden box or rolled in a cardboard box on a pallet. Each plate is protected by a release paper that has to be used for pressing. (see below). The dimensions of the box be 720 x 720 x 1350mm, the carton is fixed on the wooden pallet with reusable straps.

How do I store the panels?

Our products may be stored dry and not too cold or too warm rooms, possible horizontally and protected from direct light. Pay attention to storage conditions: max 20 ° C at a relative humidity of 45-65%. A packing in closed PE film preserves the fragrance properties.

How should the sheets be processed?

Normally the Organoid® Decorative Coatings are applied on phenolic resin bond support boards and can be applied on many different layers. Organoid® Decorative Coatings can be processed like normal HPL. While processing, a lower feed rate and a higher rotational speed should be adjusted, depending on the used material.

All safety and handling instructions for laminates must be followed. Handling of Organoid® Decorative Coatings requires increased attention and processing must only be done by qualified personal that is experienced with sensitive and high quality materials.

During the processing of laminates dust is produced which, together with other organic parts, may cause irritations to eyes, respiratory system and skin.

Long-term damages could not be detected if the dust concentration at workplaces was within the legal limits. Workplaces have to be ventilated. We recommend the use of suitable breathing masks and protective gloves (due to sharp edges of laminates).

Are there any pressing guidelines?

Before fitting the boards they should be stored together with a distortion board or veneer for 5 to 10 days for acclimatization. The back side of the sheet has to be checked for pollution (rest of material, oil/fat) and has to be cleaned with a suited tool or degreased.

Organoid® raw materials are graded and handled carefully. But it is possible that in very few cases little insects, stones and other foreign parts are concluded.

If the sheets are bond with another support board, the pressing temperature should not exceed 60°C (140°F). Use release paper and the (if requested) provided textile as a release agent to contact surfaces, so that the coating will not be damaged. After pressing, let the sheet cool down to room temperature before removing the release paper and performing further operations.

Organoid® Decorative Coatings and panels consist of natural material that swells and shrinks due to changing humidity. For a certain balanced board set-up we recommend the usage of the same coating on both sides of the board to avoid distortion.

We recommend the usage of the delivered backing sheet/balancing panel (surfaces brown ground), the usage of a plywood (minimum thickness 18mm) and a stiffening substructure on all accounts. Please pay attention to suitable joints and distances from the wall.

Organoid® Decorative Coatings can be bonded on massive walls or metallic surfaces just as any normal HPL. Apply accordingly to relevant information.

How can Organoid® Decorative Coatings be cleaned?

All Organoid® Decorative Coatings can be wiped with gentle pressure and a suitable duster. Depending on porosity and structure of the surface the duster can slightly moisten. Abrasive cleaning agents (e.g. abrasive power), detergents, thinners and other chemicals must not be used.

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These FAQs supersede all previous handling and maintenance guidelines.