

PRODUCT DESCRIPTION

Product name: CVN ACRYL glass-effect furniture board

Type of use: acrylic polymer, non-porous, highly scratch-, acid-, impact- and UV-resistant, colorfast furniture board

Use: can be used indoor, temperate and normal humidity areas (such as living rooms, staircases, bedrooms, kitchens, bathrooms, hotel lobbies, sliding doors, etc.) primarily for covering vertical wall surfaces. Hygienic, suitable for contact with food, resistant to fungi, bacteria, common household chemicals, disinfectants and materials.

Our CVN ACRYL furniture boards represent outstanding interior design value, with **2mm acrylic sheet** are highly resistant to everyday use. Our products are sold in glossy and matt finishes. Additional options are available for designing the edges of the front with **PRO1 (R1-UNI)**, **PRO2 (beveled-3D)** design. Our edge closures are designed with PU and airTec edge closures on request, so they are completely drip-proof and can also be placed in water blocks. There are many base colors available to order, but the product can also be ordered in a custom color, thus expanding the versatility of its use.

Our furniture panel has an MDF carrier and a pull-back rearside, also can be ordered with a double-sided acrylic surface.

Custom made double-sided acrylic sheets are also available.

High Gloss CVN Acryl surface characteristics:



High-gloss surface



Highly scratch-resistant



UV-resistant



Easy cleaning



High chemical resistance

Matt CVN Acryl surface characteristics:



Supermatt surface



"Fingerprint-free"



High stain resistance



Highly scratch-resistant



UV-resistant, colorfast



High chemical resistance



Easy cleaning

Features:

CVN ACRYL glass-effect furniture panels can be processed with known woodworking tools (drilling/milling/cutting). In case of cutting, pre-cutting must be used.



High impact resistance



Easy to process



15kg/m²

Product thickness: 19,2mm

IMPORTANT! When edge sealing, please specify **the finished cut** dimensions..

When ordering, please note that the smallest edge-lockable sizes are:

when closing the long side the width: 60 mm

when closing the short side the width: 150 mm

For products over 900mm, 3 hinges are recommended.

We edge-seal custom-made acrylic fronts on all sides.

At a length of 900mm, a curvature "tension" of 0-3mm is acceptable, but this can be increased for larger sizes. It can be adjusted and corrected during installation and strapping.

TECHNICAL DATA

Chemical resistance	
Chemical name	Test period
Acetone	>24 hrs
Citric acid (10%)	>24 hrs
Disinfectant	>24 hrs
Ethyl-alcohol	>24 hrs
Ethyl acetate	>24 hrs
Buthyl-acetate (1:1)	>24 hrs
Petrol	>24 hrs
Hydrochloric acid (32%)	>24 hrs
Isopropil-alcohol	>24 hrs
Methyl-alcohol	>24 hrs
Sodium carbonate (10%)	>24 hrs
Sodium chloride (15%)	>24 hrs
Sodium hydroxide (30%)	>24 hrs
Sulfuric acid (30%)	>24 hrs
Toluol	>24 hrs

The chemical resistance of the scratch-resistant test materials was tested according to DIN EN 12720. The surface of the panels was visually inspected after the following time intervals: 15 minutes, 1 hour and 24 hours. The surface showed no changes after the above-mentioned time.

Other properties

Optical characteristics	
Light transmission DIN 5036	92%
Stab indicator ISO 489	1,49 nD
Light scattering ISO14782	0.6%
Yellowing index DIN 5036	<0,5%

Thermal characteristics	
Vicat softening point ISO 306	106°C
Flame resistance DIN 4102	B2
Building material class DIN EN 13501	E
Toxicity AITM 3.0005	compliant
Smoke density AITM 2.0007 / FAR 25.853	compliant

Abrasion resistance	
Abrasion resistance according to Taber ISO 9352, haze	<3%
Wear resistance with grinding wheel, 100 cycles, 4.9N, CS-10F	<3%
Falling sand test DIN 52348	2,3 cd
Pencil hardness DIN 13523-4	5H
Micro scratch resistance IHD-W-466	Class 1
Adhesion ISO 2409	GT 0

Mechanical characteristics	
Tensile strength ISO 527	67,5 MPa
Modulus of elasticity ISO 527	3450 MPa
Charpy impact strength ISO 527	10kJ/m ²

MDF substrate standard EN 622, Formaldehyde emission E1, <1ppm (<1mg/m³).

This information and all further technical advice is based on our current knowledge and experience. However, this does not imply any legal obligation or liability on our part. There is no express or implied guarantee or warranty of product properties in the legal sense. We reserve the right to change the product and its characteristics in accordance with technological progress or further developments. The customer is not released from his duty of care, inspection and testing of incoming goods. The performance of the product, as described here, must be verified by testing, which may only be carried out by qualified experts, under the sole responsibility of the customer.

Transport:

- when receiving the goods, make sure that the product is intact. If you have any comments, please inform the person who delivered the product. In the case of delivery, a written report must be made to the carrier.
- when transporting the product, it must be taken into account that the front panel cannot be stored at extreme temperatures (room temperature +/- 5 degrees Celsius) beyond the duration of the transport, in order to avoid possible chemical reactions. Possible poor storage conditions may cause deformation of the product. If you experience such a problem, please notify your contact person as soon as possible, because these changes can be professionally treated.
- recommended transport method: on a pallet, at least 4 edged fronts, other wooden frame
- transport temperature must not exceed 45 °C or be lower than 15 °C.

Storage:

- laid on a horizontal and dry base, supported across its entire width
- in a closed and heated room, between 20 and 25 °C and with a relative humidity of 40-60%

Deformations resulting from improper storage:

In case of storage/transportation that is too hot: positive curvature

In case of storage/transportation that is too cold: negative curvature.

Unpacking:

- 24 hours of acclimatization must be ensured before unpacking the sheets
- after removing the protective film, the sheet reaches its full material strength within 48 hours

When opening the packaging, be careful not to damage the surface, and do not damage your product by shifting or tipping it over!

Cleaning:

Warm water and liquid detergents are good for cleaning the acrylic surface.

Dust can be easily removed with a damp sponge.

Stubborn, greasy stains can be removed with benzene-free petroleum ether, isopropyl alcohol.

The recommended cleaning agents and materials are as follows:

- lukewarm water with liquid dishwashing detergent
- soft, damp sponge or lint-free microfiber cloth

Mechanical tools such as knives, scrapers or rough scrubbers should not be used for cleaning.

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www.cvnfront.com

+3620 258 5185

Strong solvents, chemicals, special cleaning agents (e.g. drain cleaner, industrial cleaner), corrosive abrasives can damage the wear-resistant coating.

Never wipe dry and always use a non-abrasive cleaner.



Warranty conditions:

- the sheets can only be delivered in a foiled state
- no warranty can be assumed for warping resulting from improper transportation and/or storage
- the elements must NOT be stored outdoors or in damp places, at excessively high or low temperatures
- other elements must not be placed on the laminates
- we cannot assume a warranty for damage resulting from processing and/or installation - when installing the product, attention must be paid to voltage relief
- agents with strong chemical effects cannot be used for surface treatment (e.g. abrasives, drain cleaners, etc.)
- when cleaning, a microfiber cleaning cloth is recommended to avoid scratches
- in the case of a special order, a color difference of 2-5% is allowed

Our products are resistant to the acidic and alkaline effects of general foods, and have limited resistance to organic solvents.

The warranty can be claimed for manufacturing defects, The CVN ACRYL product has a 5-year warranty. Warranty complaints can only be claimed after the product has been tested.

In all cases, we will compensate you by replacing the product.

For other cases, the general warranty conditions apply.