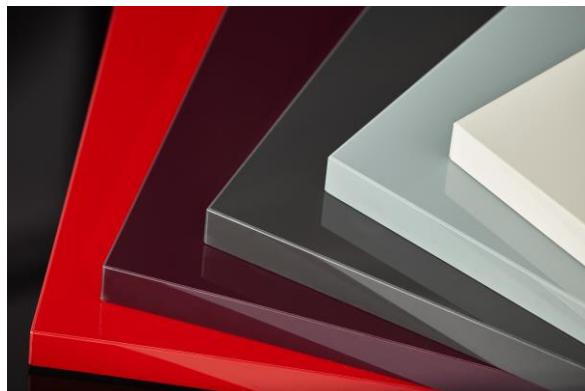


## High gloss boards Acrylux Premium

A high gloss coextruded ABS / PMMA sheet is laminated onto a coated wood-based panel. The extremely glossy acrylic layer is a key feature of this product. The maximum coating width is 1300 mm and the maximum panel length 2800 mm. A protective film is applied to the coating material to protect it against scratches.



### Standard dimensions:

Dimensions	
Dimensions:	2800x1300mm
Thickness:	18 mm core    Coated single or doublesided
Foil thickness:	0,5 - 0,8 mm + protective film (depending on the colour)

Other dimensions on request!

### Properties:

Properties	Test standard	Unit / class / value
Light resistance	EN ISO 4892-2 + A1	Exposition time: 500 h Rating: 4/5 depending on color
Surface Gloss	ASTM D-523 (60°) Glossmeter	88 ± 5 Gloss
Scratch resistance	UNI 9428	0,6N , Rating: 3 (min 1 - max 5)
Resistance to cold liquids	EN 12720	Water and paraffin oil - 24h Rating: 5 (no change)
		Ethanol (sol. 48%) and coffee - 1h Rating: 5 (no change)
Dry heat resistance	EN 12722	70 °C – 20 min Rating: 5 (no change)
Color	CIE Lab D65(10°)	White: dE <sub>max</sub> = 0,75 Light Solid Colors: dE <sub>max</sub> = 0,75 Dark Solid Colors: dE <sub>max</sub> = 1,20
Flammability		HB

Tolerances	Panels		
Substrate	< 15 mm	15 - 20 mm	> 20 mm
Thickness	± 0.5 mm		
Length and width	± 5.0 mm		
Distortion length/width	Concave: 1.5 mm/m convex : 1.5 mm/m		
	Carriers <16 mm may have higher levels of distortion		
Edge defects	≤ 10 mm		

**Thickness tolerance = nominal size + 0.2 mm (film + adhesive) ± tolerance**

**Warranty and Liability:**

The claims will be honored only if reason to it are faulty gluing of acrylic sheet to substrate board, air bubbles or foreign objects between sheet and board (which cause uneven spots which exceeds the norms). Claims which are results of faulty substrate material (acrylic and MDF boards) will be honored only after positive recognition by a manufacturer.

Production process in our facility are almost fully automatic with focus on clean production environment and quality control. It is not possible for board with visible mechanical damage to leave production line and be packed on a pallet. The claims for mechanical damages of boards inside of originally packed pallets will not be honored.

Boards are secured with protective foam. Foam must stay on the board during all handling and transport operations.

Acrylic boards might be scratched if handled carelessly or used in improper way. The damages and flaws which are made by normal usage of material over time or improper use of material are not reason to a claim.

Warranty claims shall become statute-barred, including in the case of hidden defects, within one year from delivery. If a consumer makes justified warranty claims within the statutory period applicable to him and our customer then takes recourse against us as a link in the supply chain, we shall be liable for the warranty claims as provided by law.

Surface property	Panels
Scratches	The named properties are assessed in accordance with PN EN 14322 and PN EN 438-1
Contrasting points	
blisters, indentations, filings under the film	
Pressure points	Tiny scratch marks that can be seen in sunlight and under halogen light are due to the high gloss effect, and are not a surface defect.
Blisters	

**Distance of observation and light source as per PN EN 14323 in the current version!  
The current versions of the relevant standards of guidelines for the particular materials will apply where alternative criteria are not further specified!**

Acrylux 0.5 boards are supplied without cyclic and repetitive defects such as damage be extrusion, cooling lines, mechanical damage, hit signs or scratches, spots and unevennesses. Some random unevennesses such as bumps or small marks can be acceptable within laminate producer tolerance with a maximum diameter of 1mm and in the number of one "defect" every 1,5 sqm with a minimum distance of 800mm.

The surface is free of waves. Some unevennesses such as air bubbles or lines in the protective film that are not detectable to the touch are not considered as a defect. Indeed, they do not influence on the lamination and disappear once the protective film has been removed.

**According to our terms and delivery conditions a 3% of boards with more exposed defects than stated above need to be accepted. With that we comply to the European norm of chipboard and MDF manufacturers.**

**Cleaning recommendations:**

To clean the surfaces, all you need is a soft cloth and warm water with a few drops of detergent. It is important to wipe the item dry with a soft cloth.

Stains, particularly those caused by strongly dyed substances and liquids, as well as splashes of fat etc., must be removed with plenty of water, if necessary adding a quantity of ordinary, non-abrasive household cleaner. After cleaning, remove any soap residue with lukewarm water and rub dry with a soft cloth. Stains should not be allowed to dry. It may no longer be possible to remove dried-on substances or substances that have been allowed to penetrate over a prolonged period of time.

Treating an Acrylux surface with solvent-based cleaning products may result in stress that could, over the long term, cause minor, almost invisible cracks and tears. These fronts should only be cleaned with soap-and-water and a soft cloth. Tiny scratches can be polished out with "ULTRA GLOSS Superpolish".

***For this reason, do not apply any abrasives, furniture polish, floor wax, cellulose and synthetic-resin thinners, acetone or similar cleaning products. Do not use steel wool or sponge scourers either!***

**Packing and postage:**

Compound elements are usually supplied with foam sheets between the layers. Items are delivered on disposable pallets. The finished stacks are wrapped in stretch film to protect them against dirt and moisture.

Other packaging may be agreed on enquiry!

**Over / under deliveries**

Over / under deliveries of 10% per item for technical reasons are permitted.

**General information:**

Compound materials are used in decorative interior design and furniture construction. Panels are to be used in dry areas.

Careful checks of incoming goods are part of our excellent order processing sequence. They comply with the Terms and Conditions of Niemann-Möbelteile. Compound panels must be transported and stored carefully. If necessary, storage may be on a level, horizontal, dry base. In order to prevent the edges from swelling and the panels from distorting in moisture, they should be stored in a closed building. The panels should not be stored at temperatures under 15°C for long periods of time. This may result in irreversible damage (distortion) to the compound. Relative humidity should be between 45 and 65%.