

Compound element or finished part with high gloss surface

A polyester film is laminated onto a decor coated wooden compound panel. The degree of gloss is > 85 gloss. The maximum coating width is 1250 mm and the maximum panel length 3050 mm. The coating is UV stabil, and is given a protective film. Polygloss also offers a high level of scouring resistance. The advantages: Less damage when processing and installing furniture elements. In addition to supplying panel goods for customer processing, we also offer finished items with edging in matching and contrasting colours.



Standard dimensions:

Panel manufacturer	Dimensions	
Pfleiderer	2655 X 1030 mm	1250 X 2100 mm
Egger/Kronospan	2800 X 1030 mm	1250 X 2070 mm
Pfleiderer/Thermopal	2800 X 1030 mm	1250 X 2100 mm
Unilin	2800 X 1030 mm	1250 X 2070 mm
Finsa	2800 X 1220 mm	

Thickness:	19 mm + 25 mm	
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HPL manufacturer	Dimensions	Max. width for lamination: 1250mm
Duropol	4100 X 1300 X 0,9 mm	
Abet	3050 X 1300 X 1,0 mm	
Foil thickness:	75 µ + protective film	

Other dimensions and manufacturers on request!
Other materials have to be tested first!

Properties:

			Polygloss	Polygloss / matt	Polygloss Decor
Mechanical properties	Testing standard	Unit	Class / value		
Chemical stress	DIN EN 68861 T1	Level	1A		
Abrasion resistance	DIN EN 68861 T2	Level Rotations	2A >650 Um		
Scratch resistance	DIN EN 68861 T4	Level N	4F to 0.5 N		
Dry heat	DIN EN 68861 T7	Level °C	7B 140°C		

Moist heat	DIN EN 68861 T8	Level °C	8A 100°C		
Light fastness	EN 438-2	Grey scale Blue scale	4-5 6		
Graphite test	LGA RL 33051	Level	5		
Micro scratches	Based on DIN EN 16094 – procedure A	Change in degree of gloss in %	1.45		
	Based on DIN EN 16094 – procedure B	Level	5		

Tolerances	Panel			Finished part		
Substrate	< 15 mm	15 - 20 mm	> 20 mm	< 15 mm	15 - 20 mm	> 20 mm
Thickness	± 0.5 mm			± 0.5 mm		
Length and width	± 5.0 mm			± 0.5 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			Not permitted		

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

Surface properties	Panel	Finished part
Scratches	The named properties are assessed in accordance with DIN EN 14322, DIN EN 438-1 and AMK-MB-004	
Contrasting points		
blisters, indentations, filings under the film		
Pressure points		
Blisters		
Shade	Minor variations in line with standard commercial tolerance may occur as the result of irregularities in the coating papers and the type of carrier used	
	Permitted variations:	
	White and light colours	Delta E ≤ 0.5
	Medium colours	Delta E ≤ 0.8
	Dark colours	Delta E ≤ 1.5

Larger variations are permitted on pearlescent and metallic decors

Due to the differing shape and size of the metallic pigments used, colour effects ranging from light to dark and iridescent may occur depending on the angle of light and the angle of observation. This is part of the charm of metallic decors, and does not constitute grounds for complaint.

Distance of observation and light source as per DIN 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!

Cleaning recommendations:

To clean the surfaces, you need nothing other than a soft cloth and warm water with a few drops of detergent or glass cleaner. After cleaning, it is important to wipe dry with a soft cloth, preferably a microfibre 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 chamois leather. 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!

Particularly stubborn stains can be removed using ordinary plastic cleaner or glass cleaner. Before applying, it is advisable to test the cleaning product on a non-visible area first.

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:

Niemann Polygloss & Polymatt surfaces are supplied with a protection film, which is resistant up to 80°C. The protection film must be removed at the latest six months after delivery otherwise surface defects may arise.

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%.

This information is based on our current knowledge, and is not intended to assure any properties.

It is for information purposes only, and is not intended to assure any particular product properties or suitability for a specific purpose. Users are to ensure that our products are suitable for their particular application. This applies both for first-time samples of a product and for changes to current products. As we have no influence over the various materials and processing conditions used by our suppliers, we are unable to accept any responsibility for the information provided here. The recipients of our products are responsible for ensuring that current legislation and definitions are observed. Subject to technical amendment.