

**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 > 95 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. Pianovo Lackgloss 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	
<b>Egger</b>	2800 X 1030 mm	1250 X 2070 mm
<b>Pfleiderer</b>	2655 X 1030 mm	1250 X 2100 mm
<b>Finsa</b>	2800 X 1220 mm	
<b>Thickness:</b>	10 / 18,5 / 25 mm	
<b>Foil thickness:</b>	75 µ + protective film	

**Other dimensions and manufacturers on request!**

**Other materials have to be tested first!**

**Properties:**

Mechanical properties	Testing standard	Unit	Class / value
<b>Chemical stress</b>	DIN EN 68861 T1	Level	1B
<b>Scratch resistance</b>	DIN EN 68861 T4	Level N	4E to 0.9 N
<b>Dry heat</b>	DIN EN 68861 T7	Level °C	7A 180°C
<b>Moist heat</b>	DIN EN 68861 T8	Level °C	8A 100°C
<b>Paint adhesion</b>	DIN EN ISO 2409	GT 0-5	GT 0
<b>Shock loading</b>	EN 438-2	N	9N
<b>Light fastness</b>	EN 438-2	Grey scale Blue scale	4-5 6
<b>Micro scratches</b>	DIN EN 16094 – procedure A	Change in degree of gloss in %	>10 % <30 %
	DIN EN 16094 – procedure B	Level	MSR-B4
<b>Abrasion resistance Steel wool 0</b>	(intern)	passed / fail	passed

## Pianovo Lackgloss

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- Glänzende PET-Oberfläche mit UV-Schutzlack beschichtet  
*Glossy PET-foil with UV lacquer*
- Transparente Beschichtung auf Melamine MDF-Oberfläche  
*Transparent coating on melamine MDF surface*
- Gloss level >90 Glanzpunkte  
*Gloss level >90 gloss points*
- hohe Abriebfestigkeit  
*high abrasion*
- Ausgezeichnete Verarbeitungseigenschaften im Vergleich zu Produkten mit UV-Lack  
*Excellent processing properties compared to products with UV varnish*
- kann gefaltet werden  
*foldable*
- Nahezu unbegrenzte Farbrange  
*Almost unlimited color range*
- einfach zu reinigen  
*easy to clean*
- maximale Beschichtungsbreite: 1250 mm  
*maximum coating width: 1250 mm*
- maximale Plattenlänge: 3050 mm  
*maximum plate length: 3050 mm*
- Stärke: von 1 – 40 mm  
*Thickness: 1 mm up to 40 mm*

Test	Description	Result
<b>Aging</b>	30 days 50 °C	passed
<b>Distortion (in-house)</b>	10 cycle -2,5 °C - 24 h. RT - 24 h.	passed
<b>Uprising heat</b>	50 °C - 1 h. 60 °C - 1 h. 70 °C - 4 h. 80 °C - 1 h.	passed
<b>Resistance to alternating climate</b>	AMK Modul 4	passed
<b>Asientest (in-house)</b>	810 h -10°C – +35°C 0% - 95% humidity	passed

Tolerances	Panel			Finished part		
<b>Substrate</b>	< 15 mm	15 - 20 mm	> 20 mm	< 15 mm	15 - 20 mm	> 20 mm
<b>Thickness</b>	± 0.5 mm			± 0.5 mm		
<b>Length and width</b>	± 5.0 mm			± 0.5 mm		
<b>Distortion length/width</b>	Concave: 1.5 mm/m convex : 1.5 mm/m Carriers <16 mm may have higher levels of distortion					
<b>Edge defects</b>	≤ 10 mm			Not permitted		

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

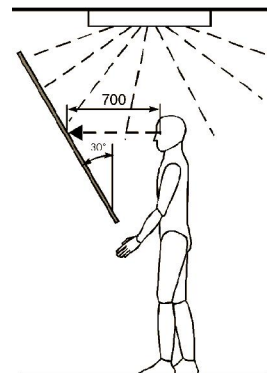
Surface properties	Panel	Finished part
<b>Scratches</b>	The named properties are assessed in accordance with DIN EN 14322, DIN EN 438-1 and AMK-MB-004	
<b>Contrasting points</b>		
<b>blisters, indentations, filings under the film</b>		
<b>Pressure points</b>		
<b>Blisters</b>		
<b>Shade</b>	Minor variations 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 AMK-MB-004 in the current version!

- position: installed situation
- light: fluorescent tube with 6.500°K (diffuse light or D65 light)
- angle of view: 30° to vertical
- distance: 700 mm
- Viewing time: Max. 20 seconds



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 Pianovo Lackgloss & Lackmatt 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%.

**Disclaimer:**

Please be advised that, by industry standards, a tolerance of up to four dimples per square meter is considered acceptable in PET products. These dimples do not compromise the overall quality and performance of the material.

Additionally, please note that any imperfections or discrepancies in our products that are not visible from a distance of more than 12" / 300mm may not be eligible for coverage under our warranty or return policy. We recommend thorough inspection upon receipt, and any concerns should be reported promptly.

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.

Our General Terms and Conditions apply

- Supermatte PET-Oberfläche mit UV-Schutzlack beschichtet  
*Super mat PET-foil with UV lacquer*
- Transparente Beschichtung auf Melamine MDF-Oberfläche  
*Transparent coating on melamine MDF surface*
- Gloss level 0 Glanzpunkte  
*Gloss level 0 gloss points*
- hohe Abriebfestigkeit  
*high abrasion*
- Ausgezeichnete Verarbeitungseigenschaften im Vergleich zu Produkten mit UV-Lack  
*Excellent processing properties compared to products with UV varnish*
- kann gefaltet werden  
*foldable*
- Nahezu unbegrenzte Farbrange  
*Almost unlimited color range*
- einfach zu reinigen  
*easy to clean*
- maximale Beschichtungsbreite: 1250 mm  
*maximum coating width: 1250 mm*
- maximale Plattenlänge: 3050 mm  
*maximum plate length: 3050 mm*
- Stärke: von 1 – 40 mm  
*Thickness: 1 mm up to 40 mm*

**Compound element or finished part with a matt surface**

A polyester film is laminates onto a decor coated wooden compound panel. The degree of gloss is < 1. 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. Pianovo Lackmatt 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 a high quantity of attractive colors and decors as finished items with edging in matching and contrasting colours.



**Standard dimensions:**

Panel manufacturer	Dimensions	
<b>Egger</b>	2800 X 1030 mm	1250 X 2070 mm
<b>Pfleiderer</b>	2655 X 1030 mm	1250 X 2100 mm
<b>Finsa</b>	2880 X 1220 mm	
<b>Thickness:</b>	10 / 18,5 / 25 mm	
<b>Foil thickness:</b>	75 µ + protective film	

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

**Properties:**

Mechanical properties	Testing standard	Unit	Class / value
<b>Chemical stress</b>	DIN EN 68861 T1	Level	1B
<b>Scratch resistance</b>	DIN EN 68861 T4	Stufe N	4B 2,5 N
<b>Dry heat</b>	DIN EN 68861 T7	Level °C	7A 180°C
<b>Moist heat</b>	DIN EN 68861 T8	Level °C	8A 100°C
<b>Paint adhesion</b>	DIN EN ISO 2409	GT 0-5	GT 0
<b>Shock loading</b>	EN 438-2	N	9N
<b>Light fastness</b>	EN 438-2	Grey scale Blue scale	4-5 6
<b>Micro scratches</b>	DIN EN 16094 – procedure A	Change in degree of gloss in %	>30 % <50 %
	DIN EN 16094 – procedure B	Level	MRS-B3

Test	Description	Result
<b>Aging</b>	30 days 50 °C	passed
<b>Distortion (in-house)</b>	10 cycle -2,5 °C - 24 h. RT - 24 h.	passed
<b>Uprising heat</b>	50 °C - 1 h. 60 °C - 1 h. 70 °C - 4 h. 80 °C - 1 h.	passed
<b>Resistance to alternating climate</b>	AMK Modul 4	passed
<b>Asientest (in-house)</b>	810 h -10°C – +35°C 0% - 95% humidity	passed

Tolerances	Panel			Finished part		
<b>Substrate</b>	< 15 mm	15 - 20 mm	> 20 mm	< 15 mm	15 - 20 mm	> 20 mm
<b>Thickness</b>	± 0.5 mm			± 0.5 mm		
<b>Length and width</b>	± 5.0 mm			± 0.5 mm		
<b>Distortion length/width</b>	Concave: 1.5 mm/m convex : 1.5 mm/m Carriers <16 mm may have higher levels of distortion					
<b>Edge defects</b>	≤ 10 mm			Not permitted		

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

Surface properties	Panel	Finished part
<b>Scratches</b>	The named properties are assessed in accordance with DIN EN 14322, DIN EN 438-1 and AMK-MB-004	
<b>Contrasting points</b>		
<b>blisters, indentations, filings under the film</b>		
<b>Pressure points</b>		
<b>Blisters</b>		
<b>Shade</b>	Minor variations in line with standard commercial tolerances 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

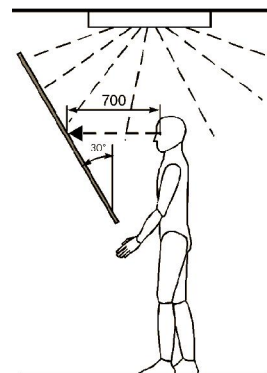
**Larger variations are permitted on pearlescent and metallic decors**

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 AMK-MB-004 in the current version!

- position: installed situation
- light: fluorescent tube with 6.500°K (diffuse light or D65 light)
- angle of view: 30° to vertical
- distance: 700 mm
- Viewing time: Max. 20 seconds



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 Pianovo Lackgloss & Lackmatt 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%.

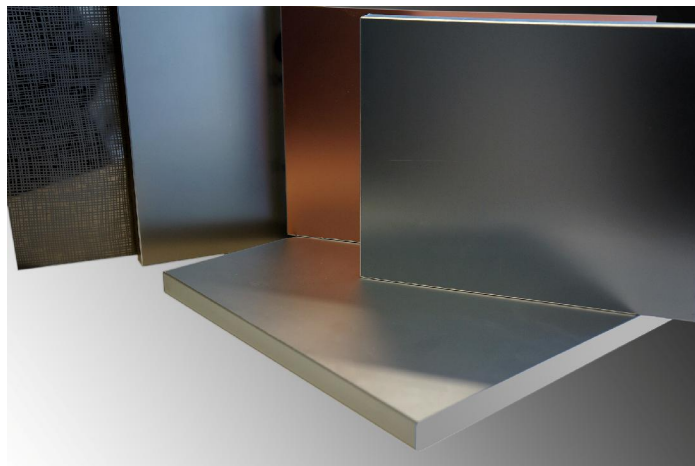
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Our General Terms and Conditions apply

**Compound element or finished part with a matt metallic surface**

A super matt polyester film is laminates onto a wooden compound panel. This protects and seals the rear coated real metal layer. The coating width is 1220 mm and the panel length 2800 mm. The coating is UV stabil, and is given a protective film. Pianovo Lackmatt also offers a high level of scouring resistance. The advantages: Less damage when processing and installing furniture elements. Furthermore, Pianovo Metall impresses with its convincing reproducibility of color compared to metal surfaces as for example anodizing. In addition to supplying panel goods for customer processing, we also offer finished items with edging in matching and contrasting colours.



**Standard dimensions:**

<b>Dimensions</b>	2800 x 1250 mm
<b>Thickness:</b>	10 / 18,5 / 25 mm
<b>Foil thickness:</b>	75 µ + protective film

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

**Properties:**

Mechanical properties	Testing standard	Unit	Class / value
<b>Chemical stress</b>	DIN EN 68861 T1	Level	1B
<b>Scratch resistance</b>	DIN EN 68861 T4	Stufe N	4E 0,7 N
<b>Dry heat</b>	DIN EN 68861 T7	Level °C	7A 180°C
<b>Moist heat</b>	DIN EN 68861 T8	Level °C	8A 100°C
<b>Paint adhesion</b>	DIN EN ISO 2409	GT 0-5	GT 0
<b>Shock loading</b>	EN 438-2	N	30N
<b>Light fastness</b>	EN 438-2	Grey scale Blue scale	4/5 6
<b>Micro scratches</b>	DIN EN 16094 – procedure A	Change in degree of gloss in %	>30 % <50 %
	DIN EN 16094 – procedure B	Level	MRS-B3

Test	Description	Result
<b>Aging</b>	30 days 50 °C	passed
<b>Distortion (in-house)</b>	10 cycle -2,5 °C - 24 h. RT - 24 h.	passed
<b>Uprising heat</b>	50 °C - 1 h. 60 °C - 1 h. 70 °C - 4 h. 80 °C - 1 h.	passed
<b>Resistance to alternating climate</b>	AMK Modul 4	passed
<b>Asientest (in-house)</b>	810 h -10°C – +35°C 0% - 95% humidity	passed

Tolerances	Panel			Finished part		
<b>Substrate</b>	< 15 mm	15 - 20 mm	> 20 mm	< 15 mm	15 - 20 mm	> 20 mm
<b>Thickness</b>	± 0.5 mm			± 0.5 mm		
<b>Length and width</b>	± 5.0 mm			± 0.5 mm		
<b>Distortion length/width</b>	Concave: 1.5 mm/m convex : 1.5 mm/m Carriers <16 mm may have higher levels of distortion					
<b>Edge defects</b>	≤ 10 mm			Not permitted		

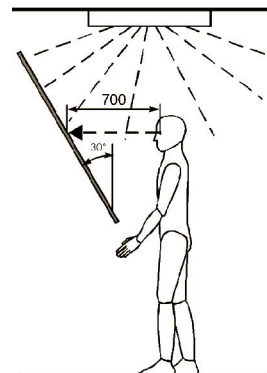
**Thickness tolerance = nominal size + 0.2 mm (film + adhesive) ± tolerance**

Surface properties	Panel	Finished part
<b>Scratches</b>	The named properties are assessed in accordance with DIN EN 14322, DIN EN 438-1 and AMK-MB-004	
<b>Contrasting points</b>		
<b>blisters, indentations, filings under the film</b>		
<b>Pressure points</b>		
<b>Blisters</b>		
<b>Shade</b>	Minor variations in line with standard commercial tolerances may occur as the result of irregularities in the coating papers and the type of carrier used  Permitted variations: in accordance with DIN EN 14322	

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 AMK-MB-004 in the current version!

- position: installed situation
- light: fluorescent tube with 6.500°K (diffuse light or D65 light)
- angle of view: 30° to vertical
- distance: 700 mm
- Viewing time: Max. 20 seconds



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 Pianovo Lackgloss & Lackmatt 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.

Our General Terms and Conditions apply

# Technical data sheet

## Bonded leather, embossed and smooth

### Compound elements or finished part with leather effect surface

The bonded leather material is applied to a direct-coated wood-based panel. The coating width is 1250 mm and the maximum panel length 2800 mm. The coating is UV-stabil. In addition to supplying panel goods for customer processing, we also offer finished items with edging in matching and contrasting colours. The bonded leather consist of leather fibres, natural latex and grease materials.



### Standard dimensions:

Panel manufacturer	Dimensions
Independent	2800 X 1250 mm
<b>Thickness:</b>	19 mm, other thicknesses on enquiry
<b>Coating thickness:</b>	0.8 mm

### Properties:

			Embossed	Smooth
Mechanical properties	Testing standard	Unit	Class / value	
<b>Chemical stress</b>	DIN EN 68861 T1	Level	1C	1A
<b>Abrasion resistance</b>	DIN EN 68861 T2	Level Rotations	2A >650 Um	2A >650 Um
<b>Scratch resistance</b>	DIN EN 68861 T4	Level N	4A over 4.0 N	4F to 0.5 N
<b>Dry heat</b>	DIN EN 68861 T7	Level °C	7C 100°C	7C 100°C
<b>Moist heat</b>	DIN EN 68861 T8	Level °C	8A 100°C	8B 70°C
<b>Light fastness</b>	EN 438-2	Grey scale Blue scale	4 6	4 6
<b>Graphite test</b>	LGARL 33051	Level	4	5
<b>Micro scratches</b>	Based on DIN EN 16094 – procedure A	Change in degree of gloss in %	14.29	90.00
	Based on DIN EN 16094 – procedure B	Level	5	4

Test	Description	Result
<b>Aging</b>	30 days 50 °C	passed
<b>Distortion (in-house)</b>	10 cycle -2,5 °C - 24 h. RT - 24 h.	passed
<b>Uprising heat</b>	50 °C - 1 h. 60 °C - 1 h. 70 °C - 4 h. 80 °C - 1 h.	passed
<b>Resistance to alternating climate</b>	AMK Modul 4	passed
<b>Asientest (in-house)</b>	810 h -10°C – +35°C 0% - 95% humidity	passed

Tolerances	Panel			Finished part		
<b>Substrate</b>	< 15 mm	15 - 20 mm	> 20 mm	< 15 mm	15 - 20 mm	> 20 mm
<b>Thickness</b>	± 0.5 mm			± 0.5 mm		
<b>Length and width</b>	± 5.0 mm			± 0.5 mm		
<b>Distortion length/width</b>	Concave: 1.5 mm/m convex : 1.5 mm/m Carriers <16 mm may have higher levels of distortion					
<b>Edge defects</b>	≤ 10 mm			Not permitted		

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

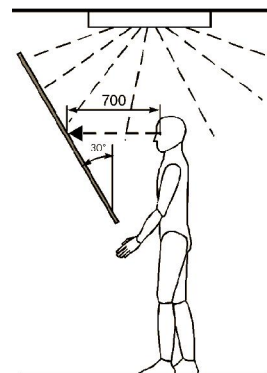
Surface properties	Panel	Finished part
<b>Scratches</b>	The named properties are assessed in accordance with DIN EN 14322, DIN EN 438-1 and AMK-MB-004	
<b>Contrasting points</b>		
<b>blisters, indentations, filings under the film</b>		
<b>Pressure points</b>		
<b>Blisters</b>		
<b>Shade</b>	Minor variations 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 Medium colours Dark colours	Delta E ≤ 0.5 Delta E ≤ 0.8 Delta E ≤ 1.5

Due to the differing shape and size of the colour 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 leather decors, and does not constitute grounds for complaint.



Distance of observation and light source as per AMK-MB-004 in the current version!

- **position:** installed situation
- **light:** fluorescent tube with 6.500°K (diffuse light or D65 light)
- **angle of view:** 30° to vertical
- **distance:** 700 mm
- **Viewing time:** Max. 20 seconds



**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. 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!

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:**

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.

Our General Terms and Conditions apply

<b>Kommission</b>		
<b>Ausführung</b>	<b>größtes Teil 4-seitig Kante Länge x Breite in mm</b>	<b>kleinstes Teil 4-seitig Kante Länge x Breite in mm</b>
Pianovo Lackgloss	2605 x 980/2750 x 980	240 x 100
Pianovo Lackmatt	2605 x 980/2750 x 980	240 x 100
Pianovo Silk	2605 x 980/2750 x 980	240 x 100
Pianovo Flash	2605 x 980/2750 x 980	240 x 100
Pianovo Metall	2605 x 980/2750 x 980	240 x 100
Pianovo Metall Struktur	2605 x 980/2750 x 980	240 x 100
XTreme	3000 x 1250	240 x 100
Acrylux TopX	2750 x 1200	240 x 100
Top Matt	2750 x 1200	240 x 100
Cleaf	2750 x 1250	240 x 100
Alle Rahmentüren	2200 x 800	255 x 255
Bonded Leather	2750 x 1200	240 x 100
DBS	3000 x 1250	240 x 100
Alu Color	2750 x 1200	240 x 100
Dielenoptik	2750 x 1250	240 x 246
Abet	3000 x 1250	240 x 100
Kristall/Kristall Satina	2750 x 950	240 x 100
Thermolaminat	2400 x 1180	60 x 100

Sondermaße, -trägerplatten und -lösungen auf Anfrage.  
Technische Änderungen vorbehalten.

*Special sizes, substrates and solutions on request.  
Subject to technical modifications.*

Zu allen Produkten steht ein technisches Datenblatt und Pflegehinweise zur Verfügung.  
Bitte sprechen Sie uns hierzu an!

*A technical data sheet and care instructions are available for all products.  
Please contact us!*

# Kante | *Edge*

## Kante

Alle im Kommissionsprogramm erhältlichen Fronten sind mit farbgleich abgestimmten oder einer Alu-Kante erhältlich. Die Kanten werden ihrem Einsatzzweck entsprechend entweder mit einer PUR-Verklebung oder einer nahtlosen Laser-Funktionsschicht verarbeitet.

## Edge

All finished components from our consignment program are available with matching or aluminum edge. According to their application, the edges will be processed with a PUR glue or a seamless laser functional layer.

# Musterbestellung | *Sample order*

Gerne stellen wir Ihnen Muster unserer Oberflächen zur Verfügung.

Wir halten Muster in folgenden Größen für Sie bereit:	400 x 294 mm	10,- €/Stück
	296 x 105 mm	5,- €/Stück
	Dekorfaltkarten	6,- €/Stück
	Musterkoffer kpl.	150,- €/Stück
	Kantenfächer	Preis auf Anfrage
	Gesamtprospekt	10,- €/Stück

Für die Bestellung der Muster nehmen Sie bitte unter folgender E-Mail-Adresse Kontakt zu uns auf:  
[info@niemann-moebelteile.de](mailto:info@niemann-moebelteile.de)

*With pleasure we provide you samples of our surfaces.*

<i>You can get samples in the following sizes:</i>	<i>400 x 294 mm</i>	<i>10,- €/piece</i>
	<i>296 x 105 mm</i>	<i>5,- €/piece</i>
	<i>Booklets</i>	<i>6,- €/piece</i>
	<i>Sample case</i>	<i>150,- €/piece</i>
	<i>Edgebanding chain or fan</i>	<i>Price on request</i>
	<i>Gesamtprospekt</i>	<i>10,- €/piece</i>

*For sample order please contact us on the following E-Mail-Adress:*  
[info@niemann-moebelteile.de](mailto:info@niemann-moebelteile.de)