

WHITE

SOFT WHITE

PEARL WHITE

CREAM

BEIGE

BLACK

GREY

DARK GREY

ORANGE

RED

METALLIC BEIGE

METALLIC BLACK

METALLIC GREY

METALLIC SILVER

CORSA RED

FLY YELLOW

REFLEKT

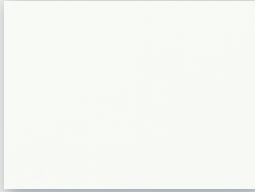
Specifier Guide

PREMIEREUROCASE

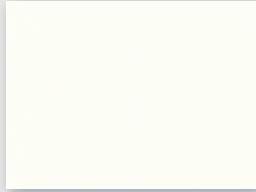
Process Intelligence

REFLEKT PANEL INFORMATION

Color Range



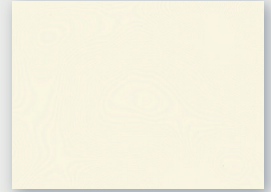
White



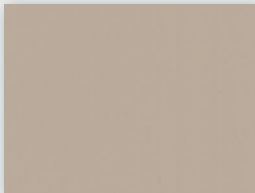
Soft White



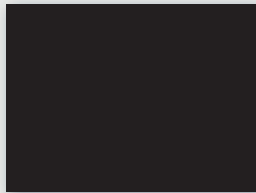
Pearl White*



Cream



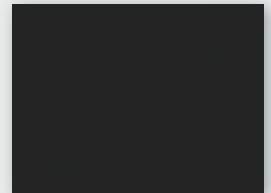
Beige



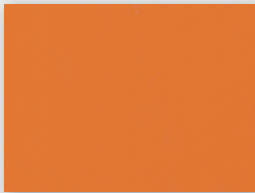
Black



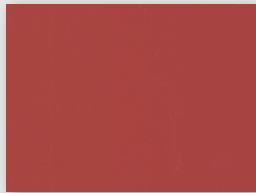
Grey



Dark Grey



Orange



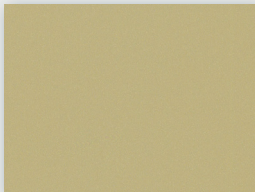
Red



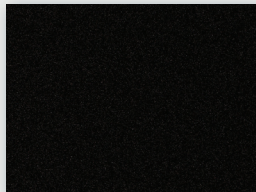
Corsa Red



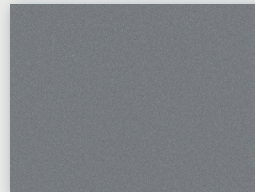
Fly Yellow



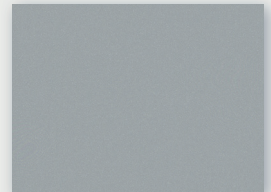
Metallic Beige*



Metallic Black*



Metallic Grey*



Metallic Silver*

**Denotes metallic design. Metallic designs are directional.*

Description

Reflekt panels consist of a PureCore® premium quality medium density fiberboard (MDF) substrate with a co-extruded polymer high-gloss acrylic top layer.

Applications

Reflekt panels are suitable for interior vertical surfaces such as kitchen cabinets, vanities, closets, furniture, fixtures & displays, as well as wall panels.

Lamination

Reflekt panels are polyurethane (PUR) laminated in a Class 100 (ISO5) cleanroom, a manufacturing process uniquely suited for the lamination of high-gloss materials to achieve spectacular results.

Panel Specifications

Reflekt panels are 4' x 8' and are available in thicknesses ranging from 1/4" to 3".

REFLEKT USER GUIDE

General

The surface of the Reflekt panel is covered with a protective film, which should stay on during processing and installation. After removal of the film, the surface is ready for daily use. No additional polishing is necessary.

Best results for machining Reflekt panels will be achieved by using high speed, very sharp carbide tools and moderate feed rates.

A Reflekt laminated panel may react to severe changes in humidity and temperature. A curvature of up to 2 mm/1000 mm may occur in some extreme environmental conditions.

Excessive curvature can be minimized by avoiding long narrow panels and by ensuring adequate hinging and fixing support is provided.

Care and Handling

Reflekt panels can be stored horizontally and should be well supported at all times.

- Leave protective film in place until the project is complete.
- Do not store panels outside.
- Avoid sliding the panels on the outer face surface to preserve the protection film.

Cleaning

Best results will be achieved using wet micro-fiber cloths or chamois with non-abrasive soap or detergent.

- Do not use brushes, scourers or scrapers at any time.
- Do not clean Reflekt in direct sunlight.

Scratch Resistance

The Reflekt high-gloss surface is scratch resistant, but not “scratch proof”. Please take precautions to protect the surface until the product has been installed.

Processing

Reflekt panels can be sawn, drilled or router cut. Use very sharp carbide tools and moderate feed rates.

Ensure masking film is cut cleanly.

Adjust the process so there are no masking strands at the edge to complicate the edgebanding process.

Refer to Reflekt Machining Guide for detailed information.

Installation

- Adequate fixing should be provided at no greater than 500 mm centers.
- We recommend an air gap of 6mm adjacent to ovens and other heat sources.
- When attaching decorative hardware be careful to not over tighten as this can distort the surface.

Hinge Recommendations

Up to 800 mm	2 hinges
800 to 1300 mm	3 hinges
1300 to 1800 mm	4 hinges
1800 to 2100 mm	5 hinges
2100 to 2440 mm	6 hinges

- Be sure to test hinge drilling on a test piece to ensure proper depth and back set.

REFLEKT MACHINING GUIDE

Routing

- Router cut using a feed rate of 10 to 15 meter/minute with a spindle speed of 15- 20,000 rpm.
- Diamond or solid carbide compression cutters will deliver the best finish.

Protective Film

Reflekt panels are supplied with a protective film which should not be removed until the project is complete. Ensure finished items with masking film are not stored in direct sunlight as the masking film could be affected and could be difficult to remove.

Saw Cutting

- Use very sharp carbide tipped or diamond blades for best results along with a bottom scoring blade.
- We recommend single sheet cutting on panel saws to avoid damage from debris between sheets.

Drilling

- Drilling can be done using high speed steel or carbide tipped drills.
- Best results will be achieved using drills with a tip angle of 110 to 130 degrees.
- Use slow to medium speeds to avoid overheating the material.

Edgebanding

Premier recommends using laser, hot air, or PUR edgebanders for best results. EVA can also be used with good results, but it's important to maintain color integrity through proper temperature control and glue pot maintenance.

Best results will be achieved by using radius tooling to match the edgebanding thickness. Scraping should be done. Be sure to produce test panels to insure proper setup on machining stations with a matching radius scraper set with a low level of deflection.

- Use mineral spirits sparingly if necessary to remove any glue residue.
- On some edgebanders it may be necessary to fold the masking film back from the edge to ensure the film is clear of the glue line.

REFLEKT EDGE FINISHING

Edge Finishing

Reflekt high-gloss panels can be edge finished in a wide variety of ways. We recommend using our edgbanding for the quality and color matching with our product offering. Our edgbanding is supplied primed ready for application using EVA or PUR hot melt adhesives. Laser edgbanding is also available if a laser or hot-air edgbanding is used. All specified edgbanding is of premium quality and offers high resistance to heat, abrasion, impact and color fade.

When correctly applied, the edgbanding will meet or exceed the AS/NZS 4386.1 Domestic Kitchen Assemblies.

ABS Solid Edgbanding

We offer an ABS high-gloss edgbanding that is coated with a specially formulated lacquer achieving spectacular gloss levels similar to glass. The surfaces is protected with a film for transportation and installation. The gloss level remains even after the edge is trimmed.

V-Edge Two-Tone Edgbanding

We also offer a V-edge two-tone edgbanding, which is a clever alternative to genuine glass. It consists of two high-gloss colors running in parallel. When V-Edge is applied to a laminated Reflekt panel, an amazing three dimensional effect is created. It appears as if the high-gloss surface is thick and substantial giving the board a higher value appearance.

Color	ABS Solid Edgbanding	V-Edge Two-Toned Edgbanding
White	78985	2811E
Soft White	76557	1522E
Pearl White	2796W	2811E
Cream	V0745	1636E
Beige	67967	2224E
Black	76490	1521E
Grey	63376	2839E
Dark Grey	97959	2254E
Orange	V1785	2316E
Red	V0957	1638E
Corsa Red	73146	2095E
Fly Yellow	78091	3003E
Metallic Beige	1100E	1578E
Metallic Black	1591E	2324E
Metallic Grey	2229W	2766E
Metallic Silver	587E	1637E

Size for both edgbanding materials is 23mm x 1.3 mm thick with peel coat, 100m/roll.

REFLEKT CROSS REFERENCE

Reflekt Color	Reflekt Color Code	Solid Color Edgebanding	V-Edge Two-Tone Edgebanding	Matching Roücke TFL
White	1982	78985	2811E	Glacier White
Soft White	1994	76557	1522E	Rainier White
Pearl White	11035	2796W	2811E	
Cream	7496	V0745	1636E	Antique White
Beige	7498	67967	2224E	
Black	8421	79490	1521E	Black
Grey	85384	63376	2839E	Folkstone Grey
Dark Grey	85382	97959	2254E	Charcoal
Orange	9133	V1785	2316E	
Red	3362	V0957	1638E	
Corsa Red	3399	73146	2095E	
Fly Yellow	2283	78091	3003E	
Metallic Beige	7499	1100E	1578E	
Metallic Black	8427	1591E	2324E	Black (close)
Metallic Grey	85387	2229W	2766E	Charcoal (close)
Metallic Silver	85385	587E	1637E	

The information above should be used as a guide only, colors and gloss levels are subjective. Samples of material should always be obtained and evaluated by users and customers for final inspection.

Due to the nature of the printing process and screen resolution, the color and images depicted throughout this brochure may vary compared to the actual products' color and results achieved. Images and colors should be used as a guide only. Statements and recommendations provided by Premier EuroCase, either written or verbal are based on our experience gained to date. No liability may be derived from these statements nor from our free technical advice. Individual results may vary.

REFLEKT PROPERTIES & PERFORMANCE

Reflekt panels are constructed with a Senosan AM1800TopX-11-1 (Hardcoat) acrylic layer. The technical data below refers to this product as it is intended to be flat laminated in different substrate materials for interior furniture. Premier EuroCase uses a MDF core for their substrate.

Properties	Test Method	Unit	Values
Scratch resistance	IHD-W-466 Method A		Class 1 Loss of gloss <20%
Abrasion resistance	SENO company standard QPA-25-LT	Load: 1 kg Strokes: 20 Steel wool type: 00	Class 1 No changes or scratches visible
Chemical resistance	DIN 68861/T1 Rating group 1A		No changes visible
Resistance to dry heat	DIN 68861/T7 Rating group 7D	°C	75
Resistance to wet heat	DIN 68861/T8 Rating group 8B	°C	70
Behavior to water vapor	AMK module 2	No changes visible	
Top surface gloss	DIN 67530 60° glossmaster	GLE	>85
Haze	DIN 67530		<10
Color fastness, resistance to weathering (furniture – indoor application)	ISO 4892-2 Total color difference after 200h Xenon test		DE* <1.7
Density	ISO 1183-1 23°C	g/cm ³	≥1.07 ≤1.11
Burning resistance	UL 94		n.d

Test results may vary by color and design. This information is based on our present state of knowledge and is intended to provide general notes on our products and their uses. It should not therefore be understood as guaranteeing specific properties of the products as described or their suitability for a particular application.

** Tested on raw materials used in this product.*

Special Advice

The values stated in this document refer to the flat unformed sheets of acrylic. Because of the influence of the application technology and the core materials used, these values may differ slightly from the finished product.

These instructions for use have been developed by Senosan GmbH in good faith and using its know how and experience as of today. We explicitly reserve the right to change or update these instructions at any time.

Further processing and use of the products can have various impacts on the products. Therefore, Senosan

does not guarantee or warrant for the fitness, suitability or adequacy of their products for any purpose intended by the purchaser or any third person and shall have no liability whatsoever in this respect. The purchaser has the obligation to test the products and determine himself if the products are fit for the intended use.

Senosan shall, neither directly or indirectly, indemnify nor hold harmless purchase or any third person in the event of any third party claims related to the infringement of intellectual property rights.

