

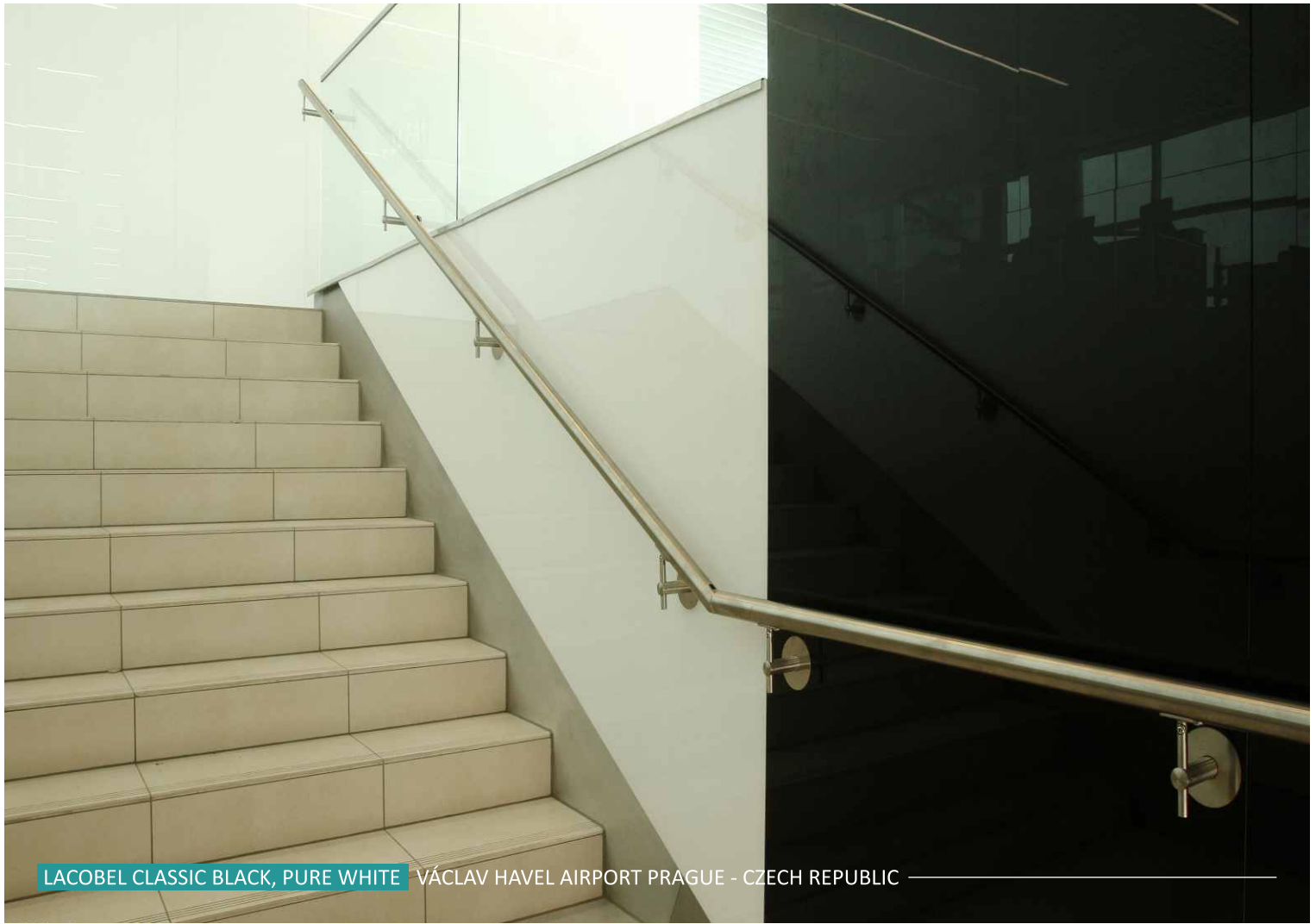
INTERIOR GLASS

A Variety of Interior Glass
Solutions to beautify space



ASAHIKAS
AGC Group

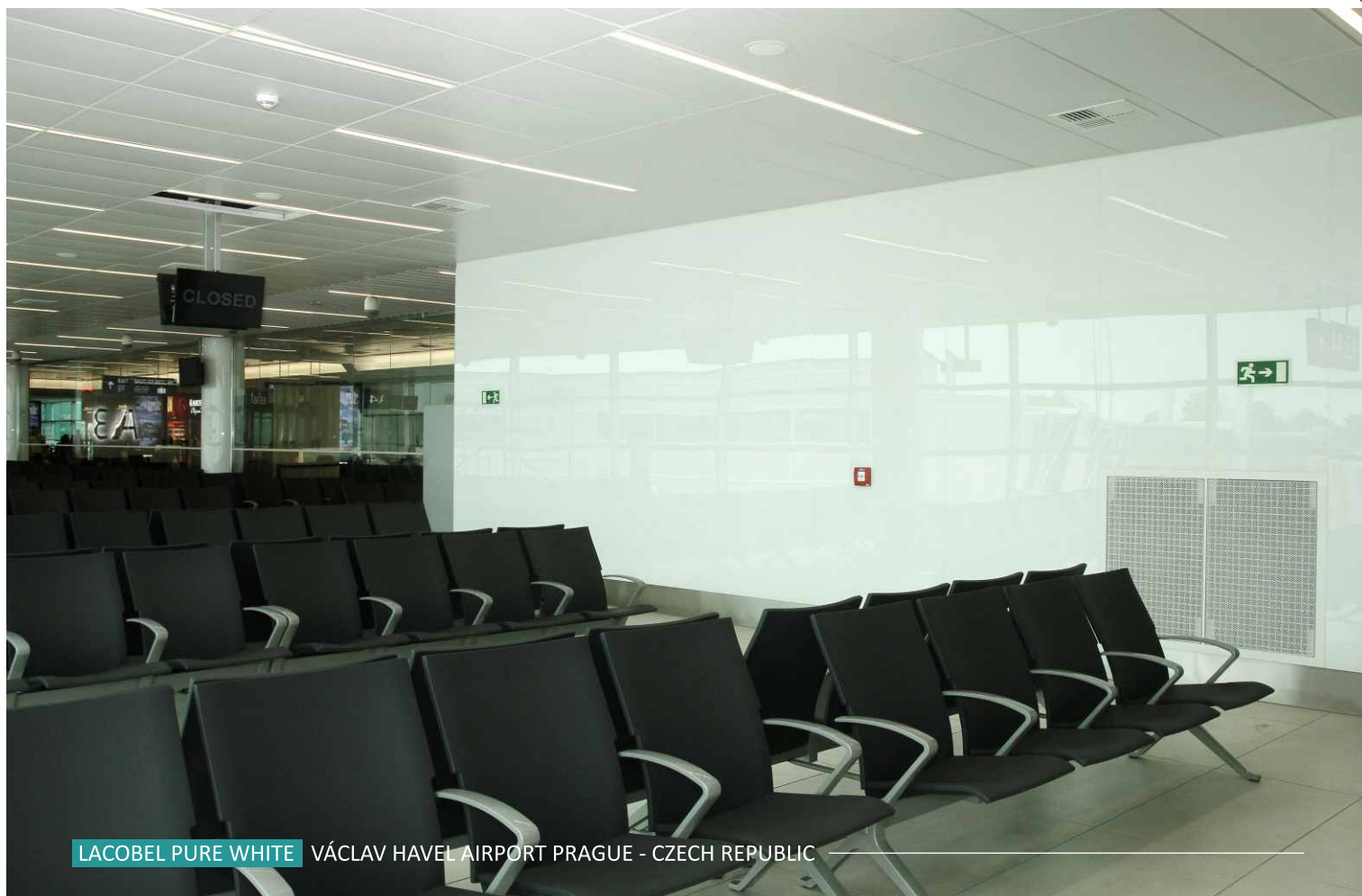
Your Dreams, Our Challenge



LACOBEL CLASSIC BLACK, PURE WHITE VÁCLAV HAVEL AIRPORT PRAGUE - CZECH REPUBLIC



DECOMIRROR BRONZE HOTEL EUROPEJSKI - POLAND



LACOBEL PURE WHITE VÁCLAV HAVEL AIRPORT PRAGUE - CZECH REPUBLIC

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Painted Glass

— LACOBEL —

Lacobel is a range of painted glass in basic colors. With a high quality ecological paint on clear float or low iron glass, Lacobel ensures color uniformity and durability.

What's so special about it?

What does it mean for you?

High quality paint industrially applied onto glass

- Uniformity in appearance with Asahimas' manufacturing process
- Ensures the paint adheres flawlessly to glass

Environmentally friendly production process

- As Lacobel paints are environmentally friendly, they preserve indoor air quality with emission of low level of VOC and formaldehyde.

Easy assembly

- Lacobel can be easily installed by installers onto furniture and wall cladding.

Lacobel is available with safety film (Lacobel SAFE)

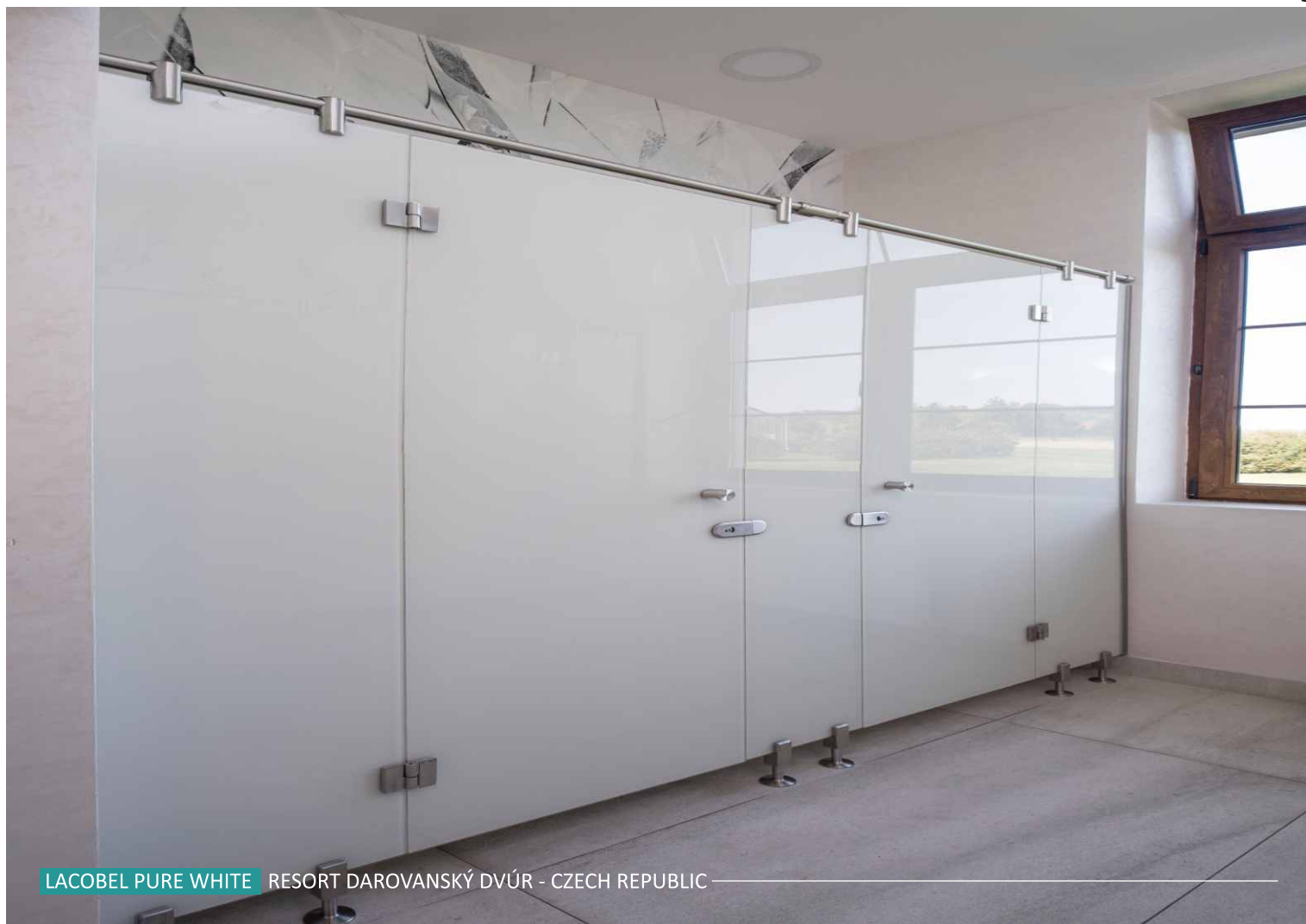
- Ensures safety in case of glass breakages. The fragments adhere to the safety film and do not break up, preventing injury. Meets Grade A AS/NZS 2208:1996 norms



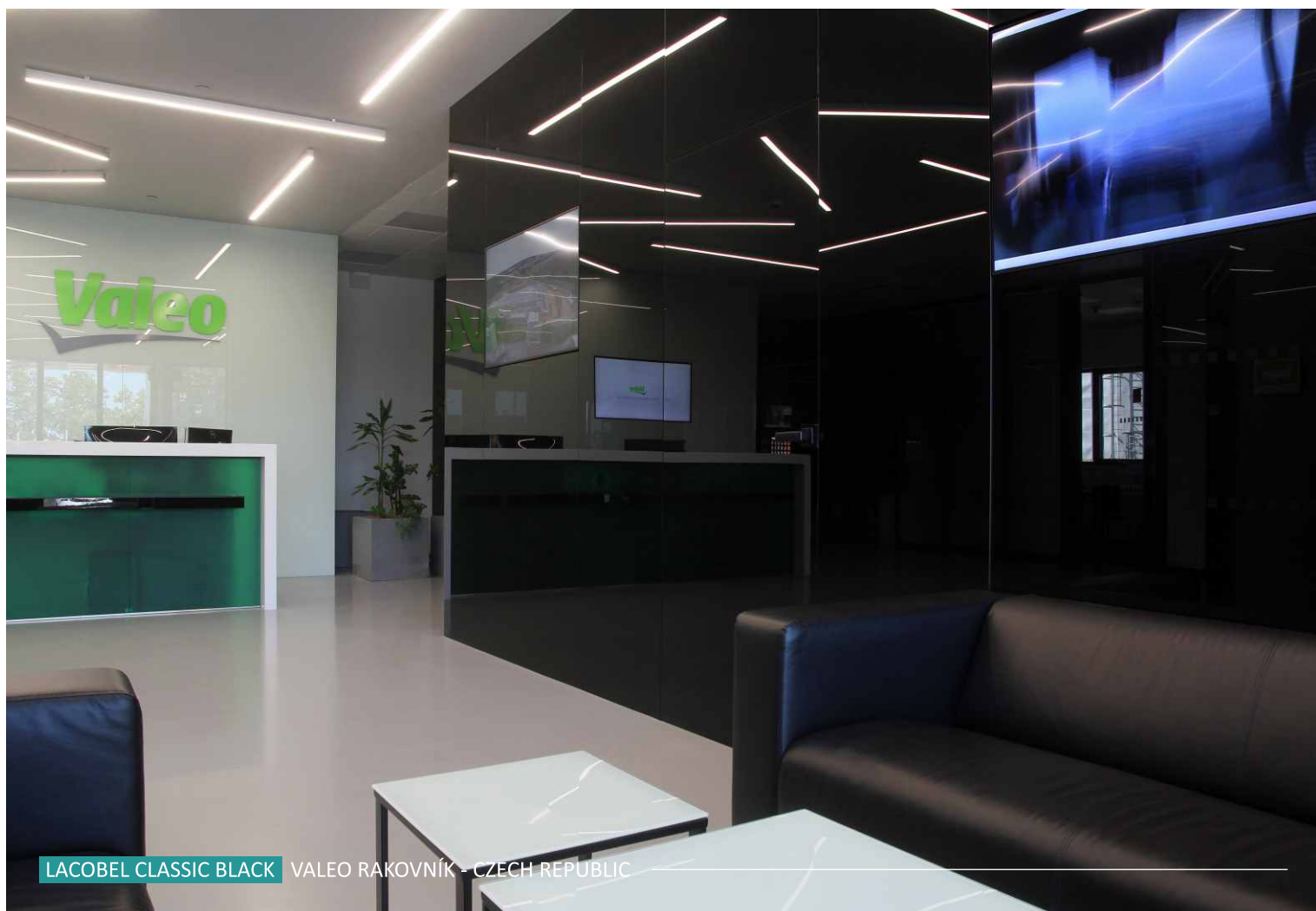
LACOBEL SOFT WHITE VISIONARY - CZECH REPUBLIC

LACOBEL is available:

- in colors: Soft White, Classic Black, Pure White
- in a range of thickness : 5mm
- in size: on clear glass 3048 x 2134mm and on extra clear glass 3300 x 2134 mm



LACOBEL PURE WHITE RESORT DAROVANSKÝ DVŮR - CZECH REPUBLIC



LACOBEL CLASSIC BLACK VALEO RAKOVNÍK - CZECH REPUBLIC

Clear Mirror

MIROX MNGE CLEAR

Mirox New Generation Ecological (MNGE) from AGC Europe has been well recognised globally since its introduction, thanks to its long-standing reputation for its quality and performance. AGC has taken a step further to manufacture Mirox MNGE in Asia (PT Asahimas Flat Glass Tbk, Cikampek plant) with the same patented AGC European technology, offering the same optimum levels of quality and service. In 2020, we have unified the mirror brand to Mirox MNGE in Asia region.

What's so special about it?

What does it mean for you?

Double layer protective paints

- Provides excellent anti corrosion protection for the silver layer outperforming EN 1036 norms

Very low lead content in paint layer (<3000ppm)

- Emits very low levels of Volatile Organic Compounds (VOCs) and formaldehyde
- Preserves indoor air quality

Environmentally friendly production process

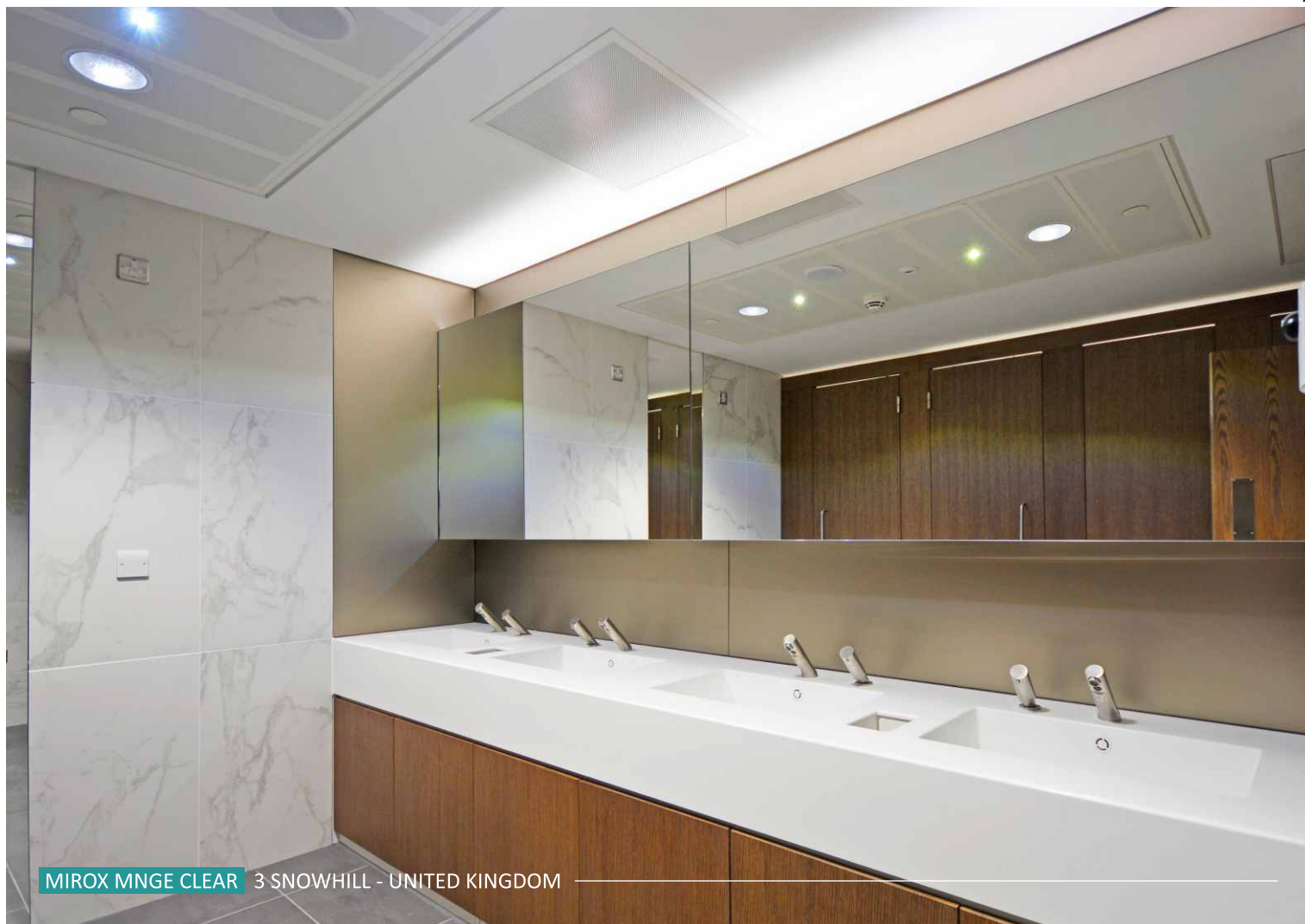
- Contributes to environmental protection by elimination of toxic products (ie. Copper, ammonia and lead) during production

Mirox MNGE is available with safety film (Mirox MNGE SAFE)

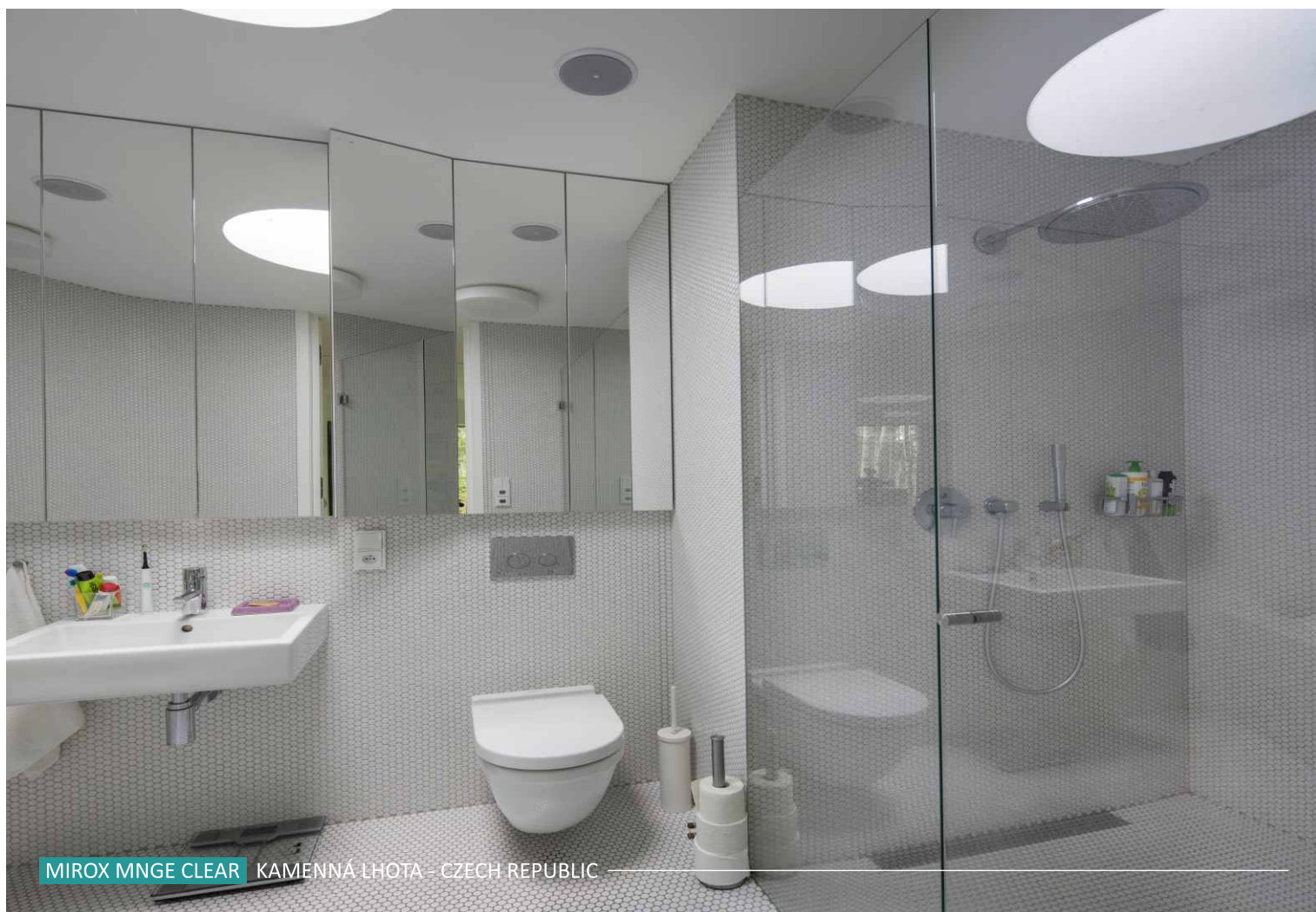
- Ensures safety in case of glass breakages. The fragments adhere to the safety film and do not break up, preventing injury
- Meets Grade A AS/NZS 2208: 1996 norms

Product Name	Thickness	60x48 inch	72x48 inch	96x72 inch	120x84 inch
Mirox MNGE (MX)	3 mm	✓	✓	✓	
	5 mm	✓	✓	✓	✓
Dantalux (MT)	3 mm	✓	✓	✓	





MIROX MNGE CLEAR 3 SNOWHILL - UNITED KINGDOM



MIROX MNGE CLEAR KAMENNÁ LHOTA - CZECH REPUBLIC

Tinted Mirror

— DECOMIRROR —

Decomirror is a unique mirror for your lifestyle. It is produced by applying silver coating to various Asahimas high quality tinted glass.

What's so special about it?

What does it mean for you?

Copper-free layer

- Better resistance to corrosion

Environmentally friendly manufacturing process

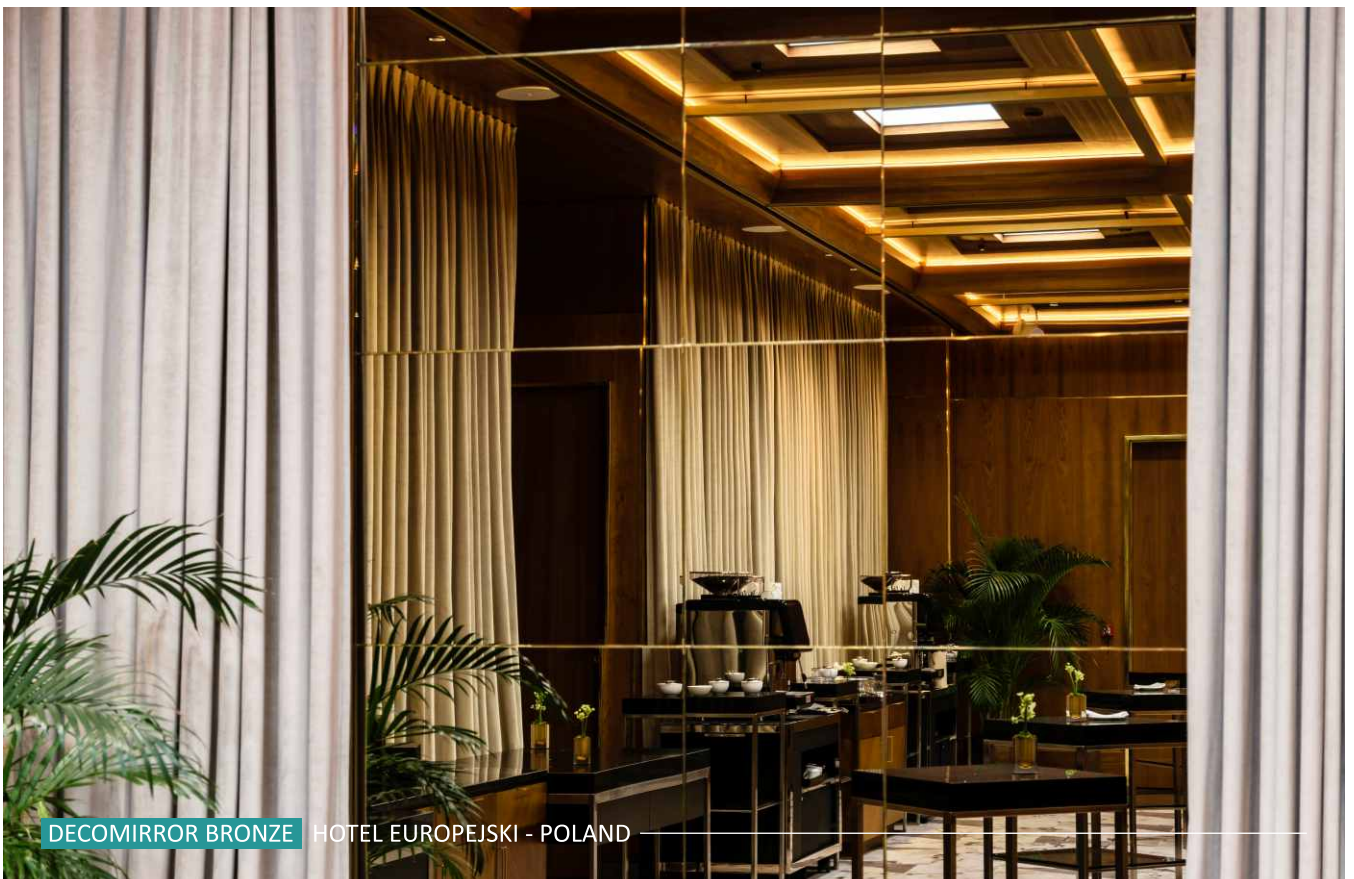
- Elimination of harmful products (i.e.,copper,ammonia) during production

Decomirror is available with safety film
(Decomirror SAFE)

- Ensures safety in case of glass breakages. The fragments adhere to the safety film and do not break up, preventing injury.

- Meets Grade A AS/NZS 2208:1996 norms

Product Name	Thickness	120x84 inch	126x84 inch
Decomirror Bronze (DMXBR)	5 mm	✓	
Decomirror Black (DMXDG)	5 mm	✓	
Decomirror Grey (DMXGE)	5 mm		✓



Figured Glass

INDOFIGUR

Indofigur is a patterned glass product featuring a design and a texture printed into the surface on one side of a clear glass sheet. Striking a delicate balance between translucence and privacy, Indofigur is the perfect solution for furniture, partitions, doors, shower screens and meeting rooms that provide varying levels of privacy and light.

With geometric and nature-inspired patterns, Indofigur have decorative and architectural applications for both interior and exterior spaces.

What's so special about it? | What does it mean for you?

Luxurious Patterned - Providing privacy with art
Versatile Decorative - Easy for many processing options

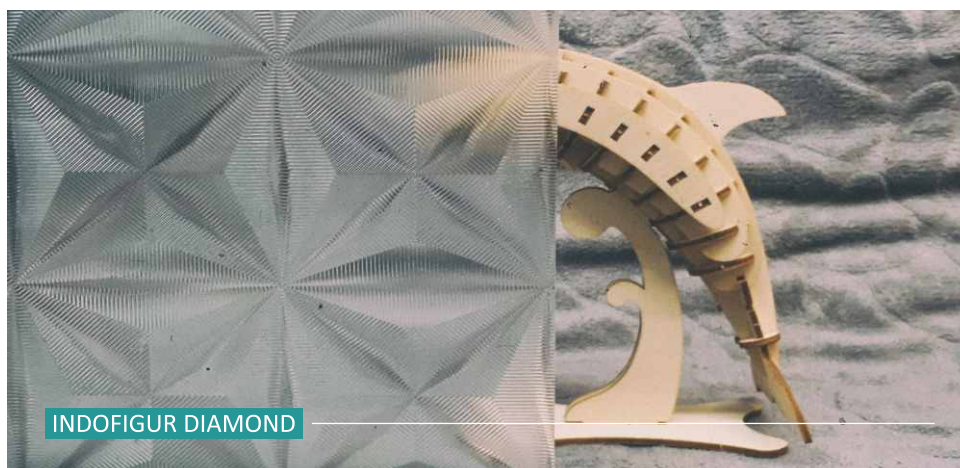
Product Name	Size (Inch)/ Thickness (mm)	60x48	72x48	84x48
Non Reflective (NR)	2	✓	✓	
Mislite (FM)	5	✓	✓	
	3	✓	✓	✓
Diamond (FD)	3	✓	✓	

PERFORMANCE DATA

Type Of Glass	Standard Thickness (mm)	Position	Light Characteristic		Energy Characteristic				Solar Factor (%)	Shading Coefficient "3"4	U-Value W/m2k
			Transmittance (%)	Reflectance (%)	Transmittance (%)	Reflectance (%)	Absorption (%)	Ultra Violet Transmission (%)			
Non Reflective (NR)	2	#1	91	8	87	7	6	75	88	1.02	5.9
		#2	91	8	87	7	6	75	88	1.02	5.9
Mislite (FM)	3	#1	87	7	81	6	12	66	85	0.97	5.9
		#2	87	7	81	7	12	66	85	0.97	5.9
	5	#1	88	7	80	6	14	64	84	0.96	5.8
		#2	88	8	80	7	13	64	84	0.96	5.8
Diamond (FD)	3	#1	88	1	83	1	16	70	88	1.0	5.9
		#2	88	4	84	4	12	70	87	1.0	5.9
Lotus	3	Coming Soon									
	5										

Remarks :

- The energy properties is are calculated according to ISO 9050 and ISO 10292
- The tolerance of published data with respect to photo metric properties is +/-3 points. The U-Value tolerance is +/-0.1 W/mK
- Specifications, technical and other data are based on information available at the time of preparation of this document and are subjected to change without notice.
- PT. Asahimas Flat Glass Tbk. cannot be held responsible for any deviation between the data introduced and the conditions on site
- This document has no evaluation on the risk of glass breakage that may be caused by thermal stress.
- Tempered glass and heat strengthened glass have potential risk of spontaneous breakage. PT. Asahimas Flat Glass Tbk. cannot guarantee spontaneous breakage due to characteristics of glass.
- For tempered glass, PT. Asahimas Flat Glass Tbk. strongly recommends to apply heat soak test to reduce the risk of spontaneous breakage. The Official NIS Disclaimer document is available on www.amfg.co.id



INDOFIGUR DIAMOND

Summary

— PAINTED, MIRROR AND FIGURED GLASS —

Our interior glass can be used in various applications, from interior design to industrial application. Experience aesthetically pleasing environment of high quality interior glass in your living and working spaces. Our interior glass solutions expand and enhance spaces, reflect light, thus adding style and sophistication to space, the application also gives impression of brighter, spacious and luxurious space with natural reflection.

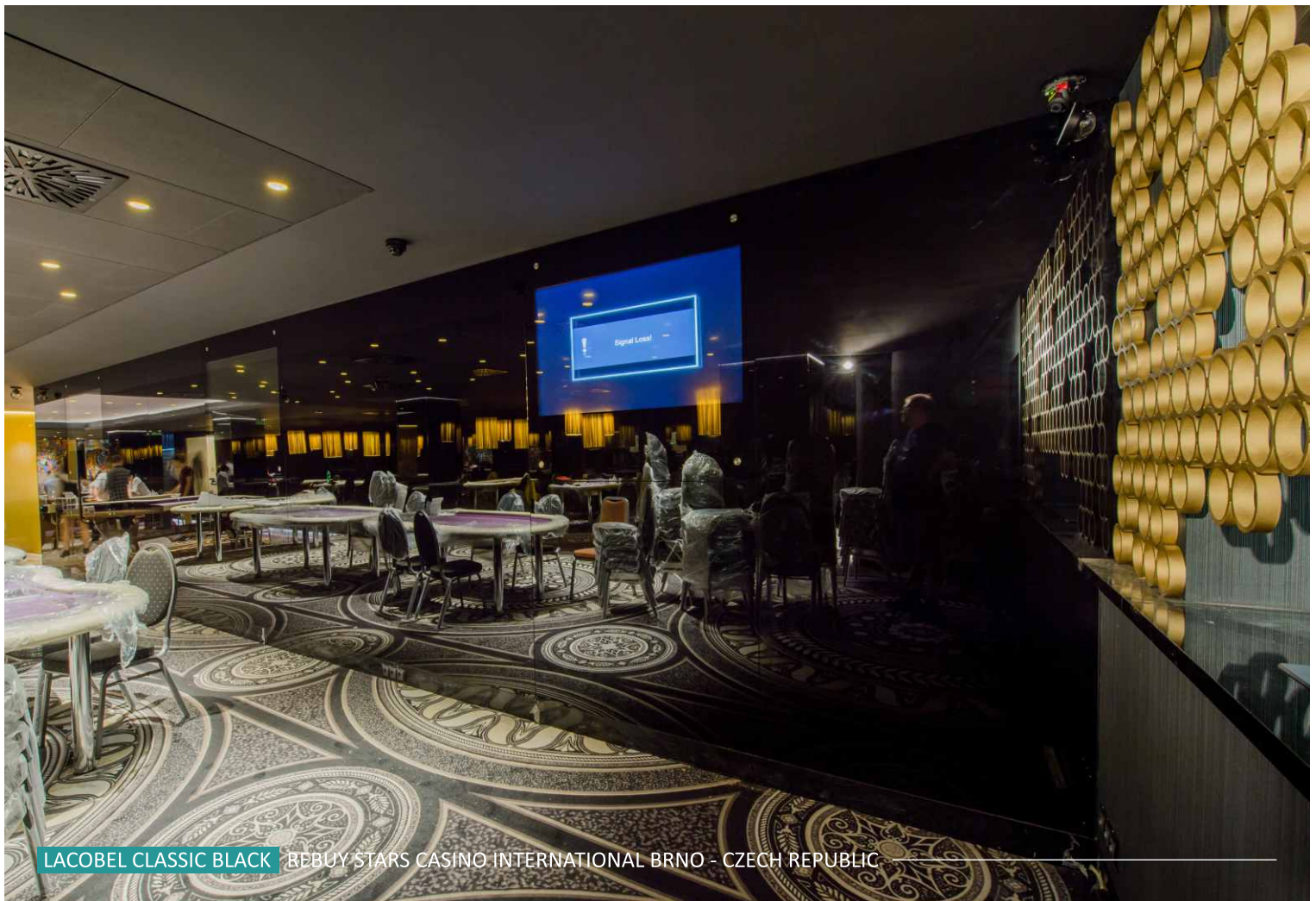
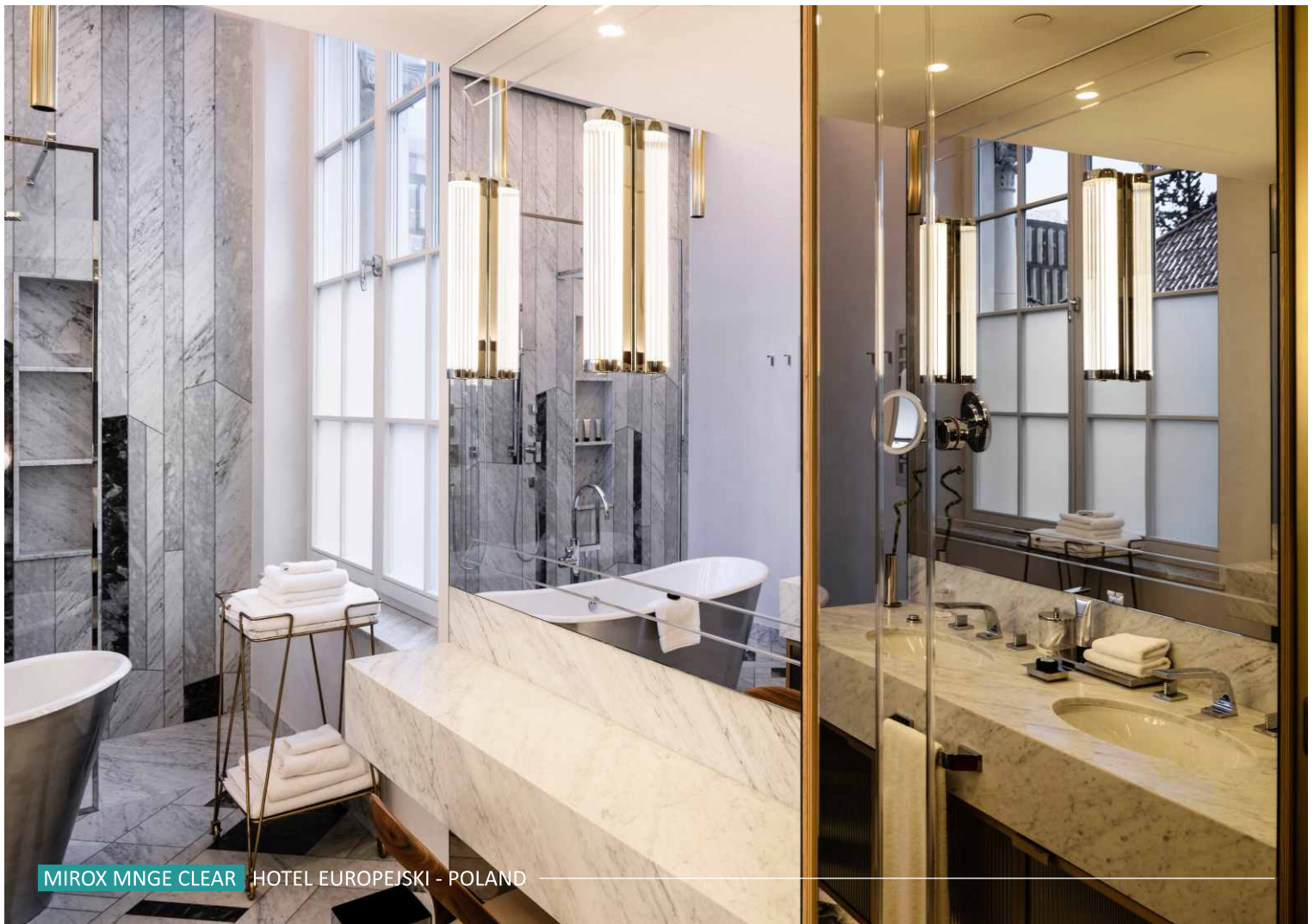
Applications

Furniture	- Tables, shelves, display cases, glass boxes etc
Partition	- Interior
Doors	- Interior - Fixed and sliding doors for cupboards and wardrobes
Wall Cladding	- Bathrooms, restaurants, offices, hotels, shops, fitness centre, spas etc

Processing Option

Products	Safety			Cutting	Shaping and Edge Finishing				Special Processing	External Application
	Toughening	Laminating	SAFE film	Rectangular or Circular	Edge Grinding	Grinding	Drilling	Notches	Sandblasting	
Lacobel	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Only the Glass Side	No
Mirox MNGE	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Only the Glass Side	No
Decomirror	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Only the Glass Side	No
Indofigur	No	No	No	No	Yes	Yes	Yes	Yes	No	No

SAFE Film	Lacobel, Mirox MNGE, Decomirror for extra safety can be placed on the painted side of glass The film has two purpose : 1. If the glass breaks, the shards will stick with film, preventing injury and any further damage 2. It can protect the painted surface of the glass from scratches
Cutting, Shaping and Edge Finishing	Products can be shaped and edge finished in the same way as conventional glass
Special Processing	Lacobel, Mirox MNGE, Decomirror can be sandblasted on the glass side





ASAHIMAS
AGC Group

INDONESIA

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