



LACOBEL - MATELAC
LACOBEL T - MATELAC T

Painted glass for indoor
and outdoor applications

AGC

Your Dreams, Our Challenge

AGC Glass Europe welcomes you...

...to our Painted Glass Building!

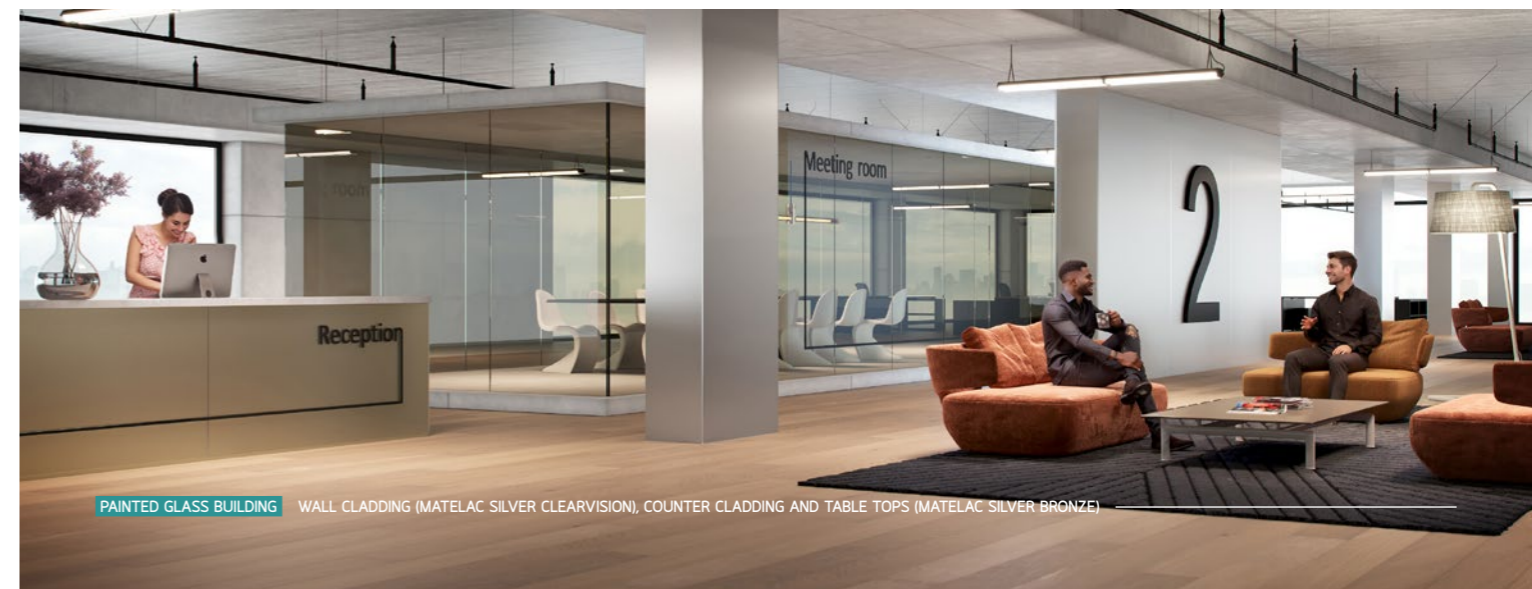
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Outdoor applications:
Always use Lacobel T or Matelac T,
our toughened painted glass.

PAINTED GLASS BUILDING | FACADE CLADDING (LACOBEL T COOL WHITE)



PAINTED GLASS BUILDING | WALL CLADDING (MATELAC SILVER CLEARVISION), COUNTER CLADDING AND TABLE TOPS (MATELAC SILVER BRONZE)

The right painted glass for indoor and outdoor applications

PAINTED GLASS

Walk through our Painted Glass Building and discover how our sustainable painted glass can enhance building facades and interior spaces, combining perfectly with other materials. By supplying its products in a glossy or matt finish, in either ordinary or toughened versions, AGC offers the widest range of options on the market and gives designers and architects free rein to create the exact atmosphere they want for their projects.

With its optimised range of standard colours, AGC strives to offer rapid availability and perfect service for the most highly sought-after and timeless colours. This range comprises our bestsellers in different shades of white, grey, brown and black, as well as our highly prized metallic colours.

If you need to add a touch of colour to your project, then feel free to place an order for a custom colour through our MyColour by Lacobel or Matelac* service.

*This option is not available in Lacobel T and Matelac T.



Lacobel and Matelac are the perfect solution for cladding furniture units, blending elegantly with wood and textile surfaces.

PAINTED GLASS BUILDING WALL CLADDING (LACOBELE BEIGE LIGHT) AND CUPBOARD DOORS (MATELAC WHITE PEARL)

Our range for indoor applications

LACOBEL & MATELAC

Lacobel & Matelac painted float glass products offer endless possibilities, such as wall and furniture cladding for any interior design project. The two ranges combine subtly with a wide variety of materials, including wood, stone and metal. If you need enhanced safety for a specific application, a transparent polypropylene SAFE+ film can be applied to the painted side of Lacobel & Matelac to ensure, in case of breakage, that the glass fragments are held together, thus preventing injuries.

Lacobel glossy painted glass is available in 13 colours while Matelac, its matt alter ego, is available in 7 colours. If your project requires a custom colour, then the unique MyColour service can create the exact colour you need.

Our SAFE+ anti-splinter film can be applied to the back of the glass, delivering two benefits: firstly, if the glass is broken, the shards adhere to the film, preventing injury; and, secondly, It also protects the painted side of the glass from scratches.

Our range for outdoor and indoor applications

LACOBEL T & MATELAC T

As the T in their name implies, Lacobel T & Matelac T are toughened painted glass products that add superb safety features to conventional Lacobel & Matelac. Since they're resistant to heat and thermal shock, they can be used for both indoor and outdoor applications, be it in a kitchen splashback behind a gas hob or in facade spandrels outdoors. These safe and strong glass products are available in 8 colours, creating a beautiful, uniform appearance. Aesthetics and safety guaranteed!

Processors receive pre-painted glass that they can immediately cut and toughen, making them more flexible in managing their production lines, orders and inventory. AGC strongly recommends that Lacobel T & Matelac T painted glass be processed by one of our AGC certified processors (see the list on www.agc-yourglass.com/en-UK/our-certified-processors).

If your kitchen splashback is close to a heat source, such as a gas hob, AGC strongly recommends using Lacobel T or Matelac T to prevent breakage. For table tops that are neither glued to a support structure nor encased in a frame, AGC recommends using thermally toughened painted glass to avoid injuries in case of breakage.

Let's play with shades and finishes

LACOBEL



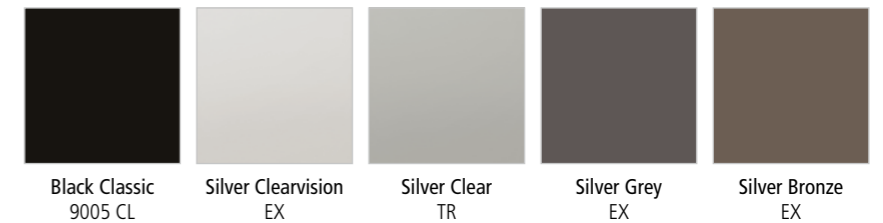
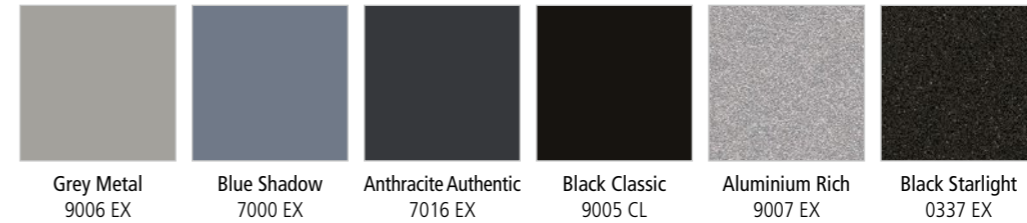
MATELAC



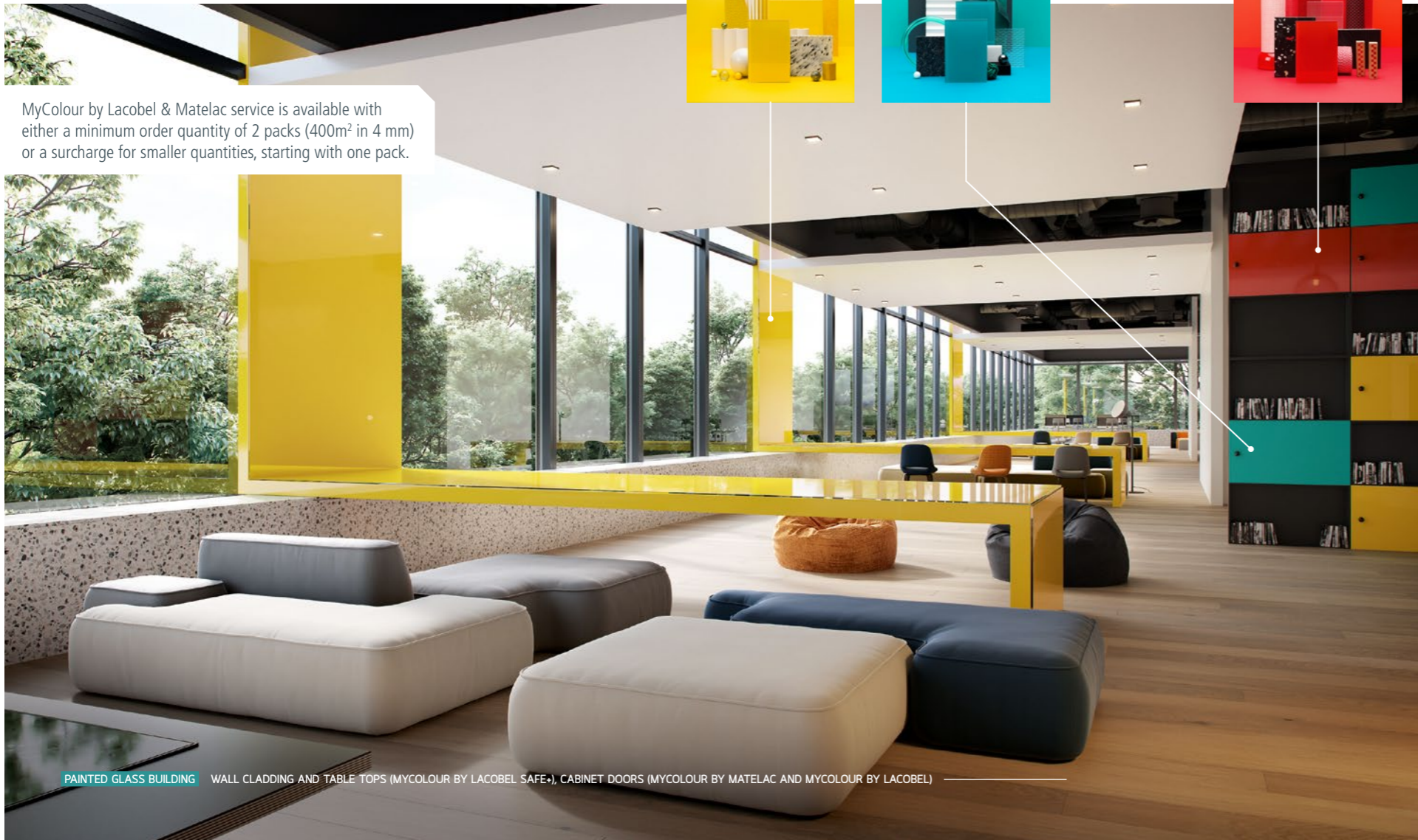
LACOBEL T / MATELAC T



*Lacobel T Crisp White is not fully opaque. AGC therefore recommends that it not be glued, but rather fixed in place with mechanical means. In this case, make sure to paint the complete wall/substrate in a uniform white colour.
 The two letters (CL, TR and EX) appended to the 4-digit Lacobel & Matelac reference codes denote the product's price category, ranging from the standard Classics range (CL) to our stylish Trendies (TR) and finally our high-end Exclusives (EX). The same principle applies to Lacobel T and Matelac T where we have two price categories: SL and DL. These price categories apply only to the European market.



For the exact availability per colour, thickness and size, please contact your local sales representative and check the product catalogue on <https://product-catalogue.agc-yourglass.com/en>.
 Certain colours reproduced in photos, in colour charts or on other materials may look different in real life, which is why AGC Glass Europe recommends you do not make a final decision until you have seen a sample in real life.



MyColour by Lacobel & Matelac service is available with either a minimum order quantity of 2 packs (400m² in 4 mm) or a surcharge for smaller quantities, starting with one pack.

PAINTED GLASS BUILDING WALL CLADDING AND TABLE TOPS (MYCOLOUR BY LACOBEL SAFE+), CABINET DOORS (MYCOLOUR BY MATELAC AND MYCOLOUR BY LACOBEL)

Our custom colour service

MYCOLOUR BY LACOBEL & MATELAC

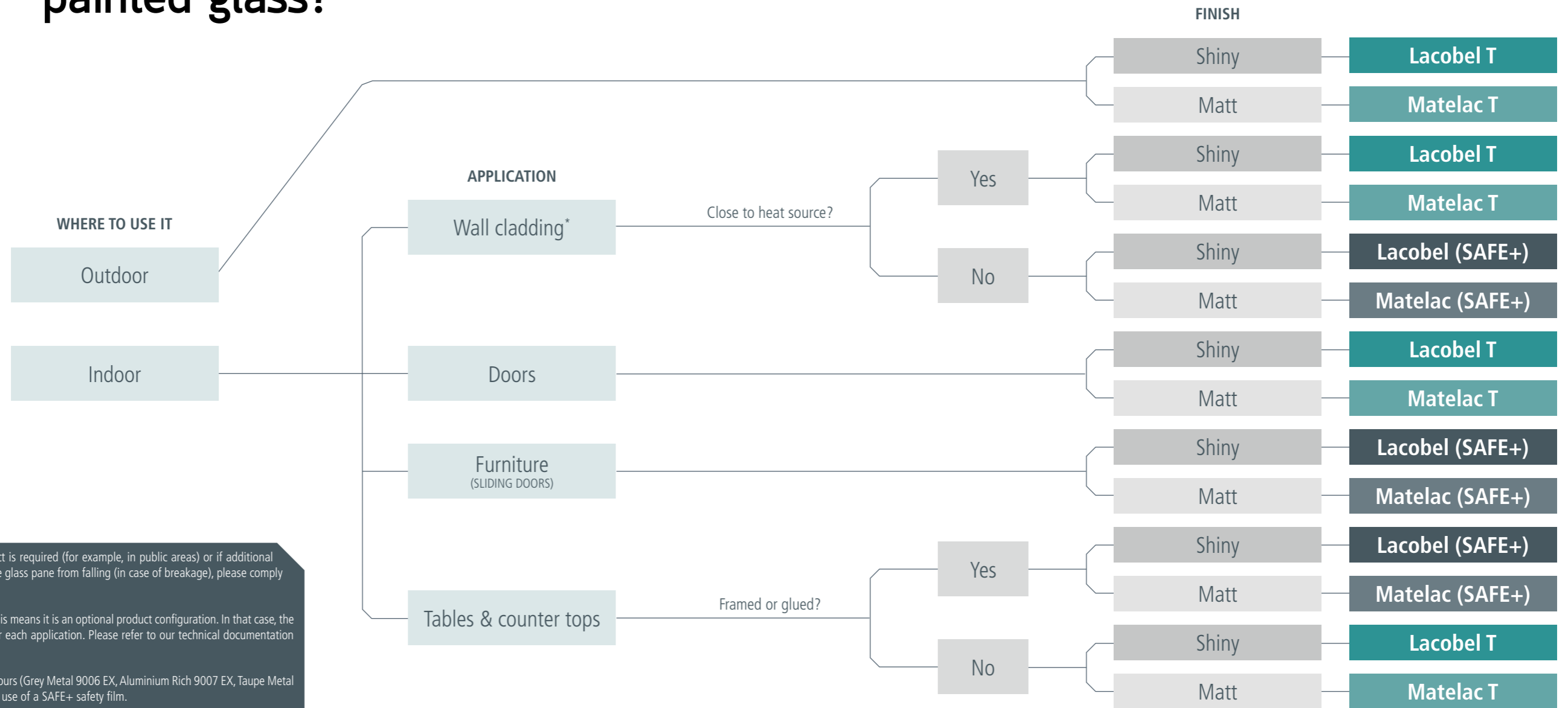
If you cannot find the exact shade that matches your client's project among our Lacobel & Matelac painted glass standard colours, then consider our exclusive MyColour* custom service to get the exact colour you need. Simply contact your AGC sales representative. You only need to provide him/her with the references of the colour you would like to have or a sample of material in that specific colour and he/she will provide you with a sample for approval. Once the colour has been approved, your order will be delivered within five weeks.



*MyColour by Lacobel & Matelac: This service is not available for transparent and metallic colours. Contact your AGC representative for more information. This option is not available for Lacobel T and Matelac T colours.

How to choose the right painted glass?

You can always use Lacobel T and Matelac T, but in some cases you must use them.



*For applications where a safety glass product is required (for example, in public areas) or if additional measures are necessary in order to prevent the glass pane from falling (in case of breakage), please comply with national rules and regulations.

When (SAFE+) appears in parentheses, this means it is an optional product configuration. In that case, the potential need for SAFE+ must be checked for each application. Please refer to our technical documentation for more details.

Note: In wet/humid environments, metallic colours (Grey Metal 9006 EX, Aluminium Rich 9007 EX, Taupe Metal 0627 EX, Black Starlight 0337 EX) require the use of a SAFE+ safety film.



Painted glass is the ideal solution for wall cladding in elevator lobbies since it protects the walls from damage and prevents them from having to be repainted.

PAINTED GLASS BUILDING WALL CLADDING (MATELAC T ZEN GREY)

What are the key features of each range?

PAINTED GLASS

What's so special about it?	What does it mean for you?	Lacobel & Matelac	Lacobel T & Matelac T
High-quality paint industrially applied to the glass	<ul style="list-style-type: none"> AGC's manufacturing process guarantees a uniform glossy (Lacobel & Lacobel T) or matt (Matelac & Matelac T) finish and ensures that the paint adheres perfectly to the glass 	✓	✓
Toughened painted glass (must be toughened before use*)	<ul style="list-style-type: none"> Strong and safe so it is highly resistant to impacts and scratches Withstands thermal shocks, offering a large choice of applications 	✗	✓
Pre-painted glass which can be immediately cut and heat-treated at the processing plant	<ul style="list-style-type: none"> No need to paint manually before or after the glass is heat-treated Processors have more flexibility in managing production lines, orders and inventory, resulting in faster response to market needs 	✗	✓
Safe product	<ul style="list-style-type: none"> The SAFE+ film can be applied to the back of Lacobel & Matelac to ensure extra safety if the glass is broken Lacobel T & Matelac T are, by definition, a safety product (after toughening) 	✓	✓
Colour on demand available	<ul style="list-style-type: none"> Guaranteed to get the colour that exactly fits each project 	✓	✗
Compatible with AGC's FIX-IN bonding solutions	<ul style="list-style-type: none"> Simplifies the installation process (indoor) and comes with a 5-year warranty for Lacobel & Matelac and a 10-year warranty for Lacobel T & Matelac T (see page 23) 	✓	✓

*Lacobel T & Matelac T painted glass must be either thermally toughened according to EN 12150 or heat-strengthened according to EN 1863, by means of a convection furnace.





For furniture doors, you can use Lacobel or Matelac but for indoor and outdoor doors, you must use Lacobel T or Matelac T, because in those applications you need to drill the glass to install handles or use clips that create tension in the glass.

PAINTED GLASS BUILDING BENCH (MATELAC BLACK CLASSIC SAFE+) AND CABINET DOORS (LACOBEL GREY METAL AND BLUE SHADOW)

A sustainable material

PAINTED GLASS

	Lacobel & Matelac	Lacobel T & Matelac T
Recyclability	<ul style="list-style-type: none"> - Lacobel & Matelac glass is 100% recyclable in the float furnace 	<ul style="list-style-type: none"> - Lacobel T and Matelac T are recyclable in other channels such as fiberglass
VOC classification according to the VOC French labelling scheme	<ul style="list-style-type: none"> - A for Lacobel & Matelac standard colours - A+ for Matelac Silver range 	<ul style="list-style-type: none"> - A+* (once toughened)
EPD verified	<p style="text-align: center;">✓</p> <ul style="list-style-type: none"> - Climate change equivalent: Matelac (6mm): 21.7 kg CO₂ eq./m² Lacobel (6mm) : 18.8 kg CO₂ eq./m² 	✗
Cradle to Cradle Certified®		
Material health certificate	Silver	Silver
Produced in ISO 14001 certified plants**	✓	✓
Produced in Europe	✓	✓

*The A+ (per French Decree No. 2011-321) category corresponds to the highest level of performance or the lowest category of VOC emissions.

**More info on: www.agc-glass.eu/en/sustainability/contributing-sustainable-future/iso-14001.

Technical specifications

PAINTED GLASS

What are your processing options?		Pay attention to...		
		Lacobel & Matelac	Lacobel T & Matelac T	
Safety	Toughening	⊗	✓	– Lacobel T & Matelac T: Toughening in a convection furnace is mandatory. The paint must be facing upwards
	Lamination	⊗	✓	– PVB lamination possible after heat treatment on both painted and glass side for Lacobel T , on painted side only for Matelac T
	SAFE+ film	✓	n/a	– Lacobel & Matelac SAFE+ comply with standard EN 12600 - Class 2B2 – Lacobel T & Matelac T are, by definition, a safety product (after toughening). This means SAFE+ film is no longer necessary
Cutting	Straight or circular	✓	✓	– Lacobel & Matelac and their SAFE+ version can be cut like a traditional mirror (see the Processing Guide on www.agc-yourglass.com) – Lacobel T & Matelac T can be cut before heat treatment (the paint must be facing downwards)
Edge processing	Edging	✓	✓	– Lacobel & Matelac can be drilled and have notches if they are glued – For Lacobel T & Matelac T: before heat treatment only
	Grinding	✓	✓	
	Drilling	✓	✓	
	Notches	✓	✓	

What are your processing options?		Pay attention to...		
		Lacobel & Matelac	Lacobel T & Matelac T	
Special processing	Sandblasting	✓	✓	– Lacobel can be sandblasted on both the glass side and the painted side – For Lacobel T only: glass side before or after heat treatment / painted side before heat treatment
	Screen printing	⊗	✓	– For Lacobel T only: enamel deposition possible before or after heat treatment
Outdoor applications		⊗	✓	– Spandrels on opaque substrate, wall cladding (e.g. shop fronts)
Installation	Orientating and protecting metallic and Starlight colours	✓	n/a	– Lacobel & Matelac: Due to the special pigments used in their production, metallic colours (Aluminium Rich, Grey Metal and Black Starlight) must be processed and installed in a specific orientation. The other colours in the range are applied isotropically (i.e. the coat of paint does not have a direction or orientation) – The SAFE+ film should be used for metallic and Starlight colours to provide additional protection to the back of the glass when applying silicone – See the Installation Guide on www.agc-yourglass.com

Other features	Your benefits		
	Lacobel & Matelac	Lacobel T & Matelac T	
Resistant to water, moisture and humidity	✓	✓	<ul style="list-style-type: none"> All Lacobel & Matelac colours can be used for interior applications in wet, humid and moist environments (bathrooms and kitchens), but cannot be submerged Lacobel & Matelac must be protected from water infiltrating behind the glass (by applying a silicone seal) Lacobel T & Matelac T can be used in wet/humid areas, both indoors (bathrooms, kitchen, etc.) and outdoors (spandrels, facade cladding). The painted side should not be mounted in position 1
Heat-resistant	✗	✓	<ul style="list-style-type: none"> Resistant to thermal shock after heat treatment
UV-resistant	✓	✓	<ul style="list-style-type: none"> Lacobel & Matelac withstand the UV exposure typical of indoor environments Lacobel T & Matelac T withstand the UV exposure typical of outdoor environments
Bonding/mounting	✓	✓	<ul style="list-style-type: none"> Easy and safe to install
Easy to maintain	✓	✓	<ul style="list-style-type: none"> Ideal for yet more applications
Shelf life*	Unlimited	24-month (before heat treatment)	<ul style="list-style-type: none"> If stocked in the right conditions
Mechanical strength	✓	✓	<ul style="list-style-type: none"> Lacobel & Matelac: Similar to float glass. Please make sure the paint is not scratched during processing and installation. See the Installation Guide on www.agc-yourglass.com Lacobel T & Matelac T: Close to tempered clear glass

*Valid from date of delivery.
 AGC provides technical support for all glass processors and installers via our Technical Advisory Service (TAS). Please make sure to carefully read the Lacobel & Matelac and Lacobel T & Matelac T Processing Guide, Installation Guide and Cleaning Guide, all of which are available on www.agc-yourglass.com.
 Some of the pictures in this brochure are 3D rendered images.

Invisible bonding solution - guaranteed

FIX-IN

AGC developed the FIX-IN range of bonding products in collaboration with a specialist in the field to ensure the perfect installation and longevity of its products.

AGC guarantees that the paint on its painted glass products is compatible with its FIX-IN bonding solutions (see the FIX-IN warranty for more details). The warranty is five years for Lacobel & Matelac and ten years for Lacobel T & Matelac T.

The range also includes touch-up paints to conceal small scratches in the paint on the glass as well as glass cleaning kits for an installation that is perfect down to the smallest detail.

All these products and more are available from our online store: www.agc-store.com.





AGC GLASS EUROPE, A EUROPEAN LEADER IN FLAT GLASS

Based in Louvain-la-Neuve (Belgium), AGC Glass Europe produces, processes and markets flat glass for the construction industry (external glazing and interior decoration), car manufacture and other industrial sectors (transport, solar power and high-tech). It is the European branch of AGC, a world leader in flat glass. It has over 100 sites throughout Europe.

More information on www.agc-yourglass.com.

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