

Reynobond® | Reynolux®



Duragloss® 5000 presentation

What we want?

- » UV resistance of fluorocarbons
- » Gloss range of polyesters
- » Flexibility of plastisols
- » Hardness of epoxies



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BMW Factory, Germany



Duragloss® 5000 benefits

- » Modern High tech Polymer technology
- » Excellent UV resistance
- » No limitation of colours and gloss
- » High variety of effects, textures and design pattern
- » High dirt repellency, anti graffiti resistance and cleaning intervals
- » Coil coating and air-drying possibility



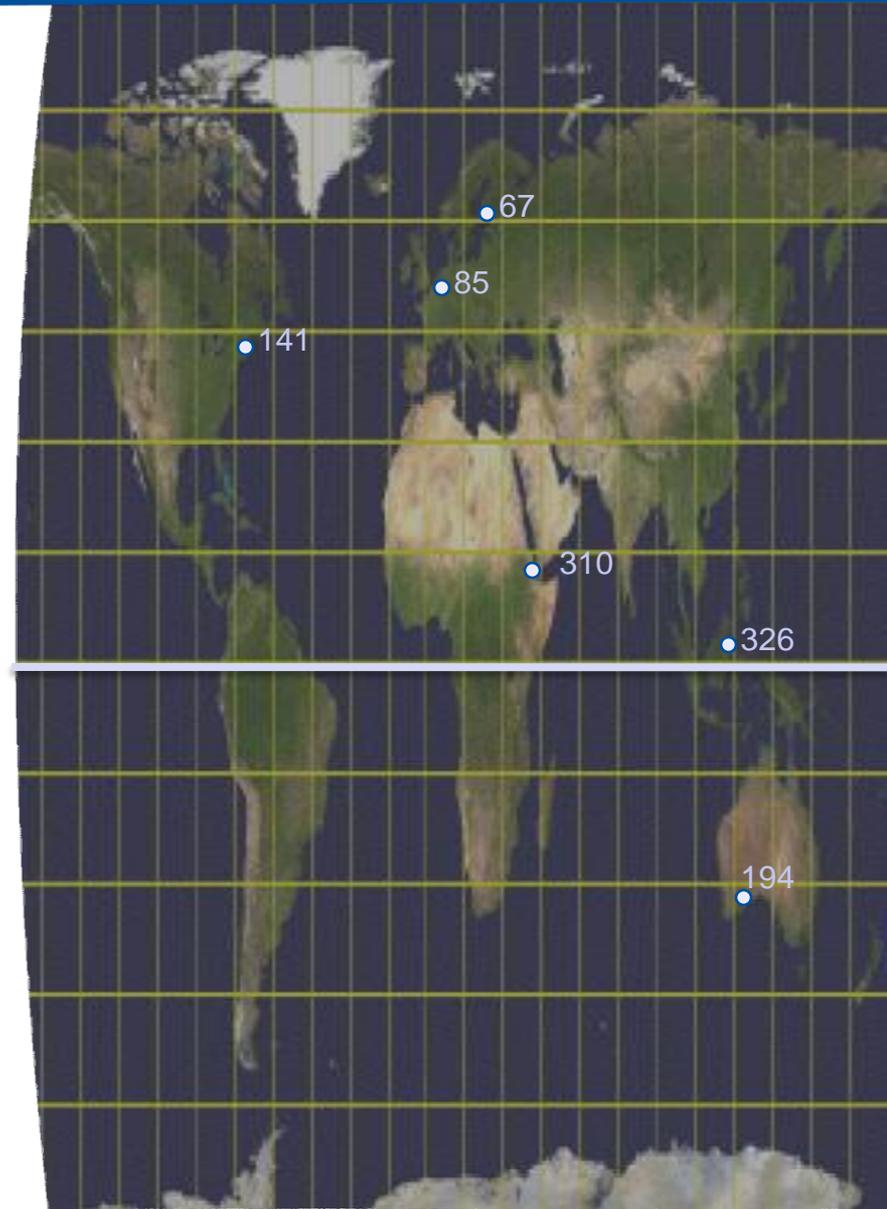
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Moulin, Nyoux
France

The strength of UV around the world

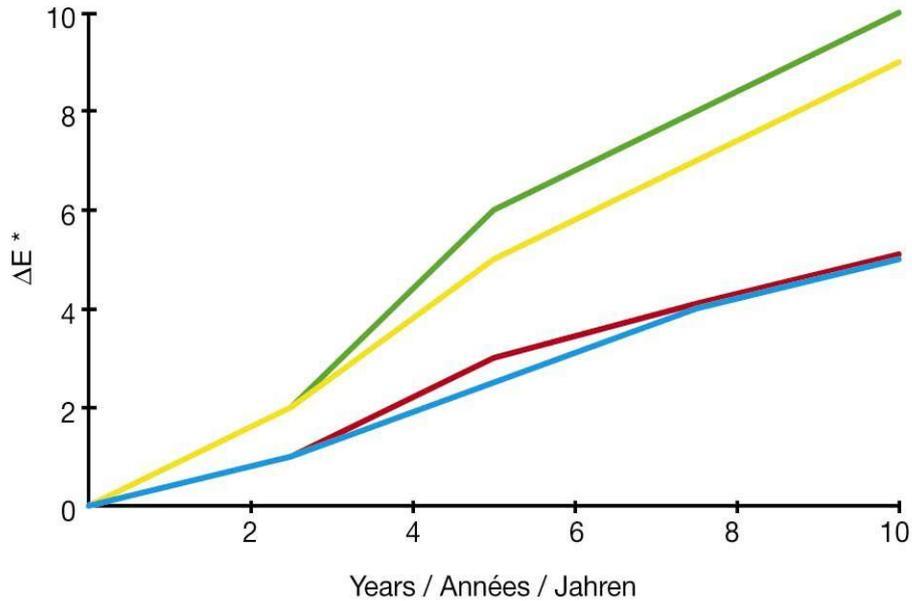
- » Stockholm: 67 (MJ/.m²/Year)
- » Paris: 85
- » New York: 141
- » Roma: 165
- » Tokyo: 170
- » Dubai: 310
- » Singapore: 326
- » Sydney: 194



AAMA 620-96 test results

COLOUR - TEINTE - FARBTON

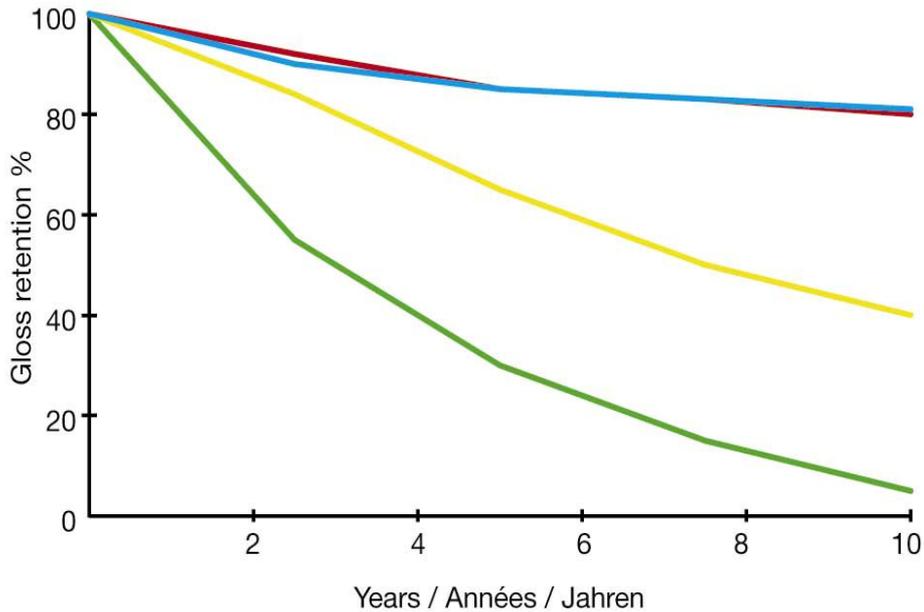
- DURAGLOSS®5000
- POLYESTER STD
- PVDF (70/30)
- PVDF (50/50)



AAMA 620-96 test results

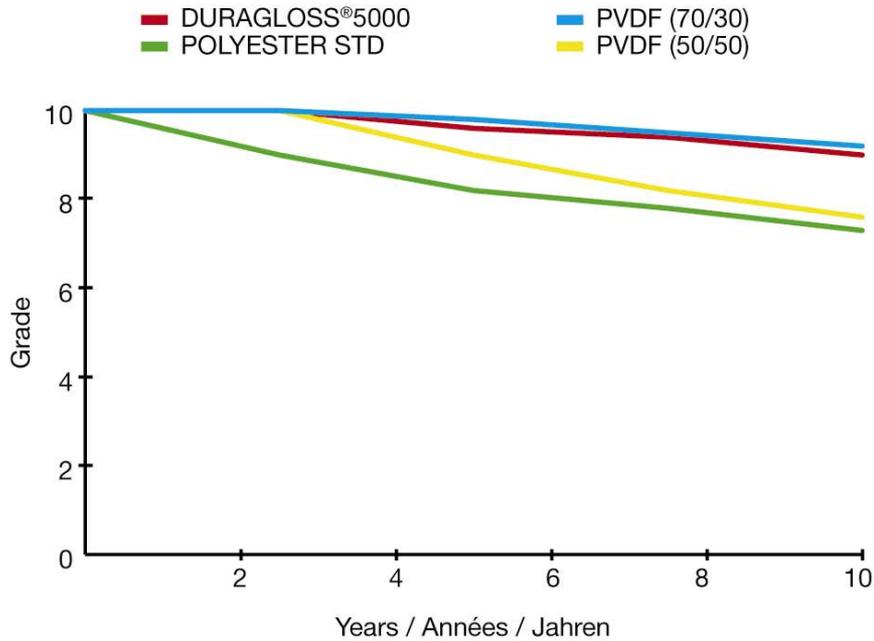
GLOSS - BRILLANCE - GLANZ

- DURAGLOSS®5000
- POLYESTER STD
- PVDF (70/30)
- PVDF (50/50)



AAMA 620-96 test results

CHALKING - FARINAGE - KREIDUNG



Results after Florida exposure 45° south
 Résultats après exposition en Floride 45° sud
 Ergebnisse nach Florida Belichtung 45° Süd



Choice of the suitable coating system

Paint Quality	Paint systems	Thickness	Colours & Gloss	Weather resistance
Duragloss® 5000	2 coat	15μ + 20μ	All colours Mat to Glossy	Excellent
	3 coat	15μ + 20μ+18μ	All colors All glosses Special metallic effect colors	Excellent Recomanded in poluted or salty area
PVDF (70/30)	2 coat	5μ + 20μ	No bright or exotic colors 25 to 30% gloss	Excellent
	3 coat	5μ + 20μ+18μ	Bright, exotic metallic colors 25 to 30% gloss 80% with Lumiflon	Excellent Recomanded in poluted or salty area

Colours and gloss

- » 64 preformulated colours
- » All RAL, NCS colours
- » All typ of customers colours
- » All gloss from Mat to Glossy



Innovative *Surface & Textures*

- » Brushed surfaces
- » Terracota texture
- » Stone design
- » Natural Metals design
- » Anodized look
- » Metallics effect
- » Sparkling effect
- » Solid Colours



Innovative *Effect*

» Chameleon Effect (satin or glossy)



Innovative *Design*

- » Wood Design (mat, scratch resistant)



(20 years warranty)



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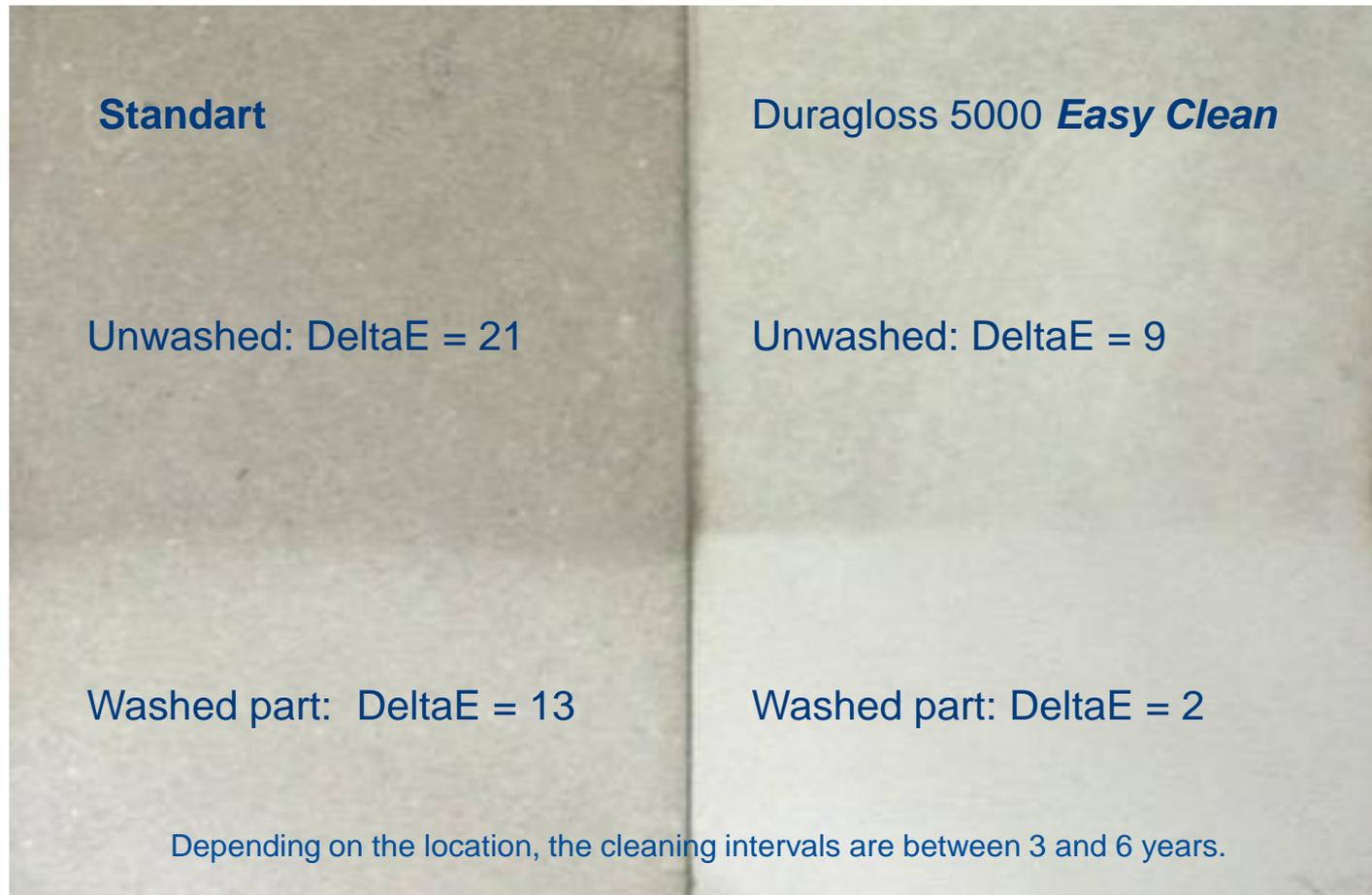
Decathlon, Antibes
France

Innovative *Attributes*

- » Easy-Clean
- » Scratch resistant
- » Anti graffiti
- » Solar reflective



Duragloss[®] 5000 *Easy Clean*



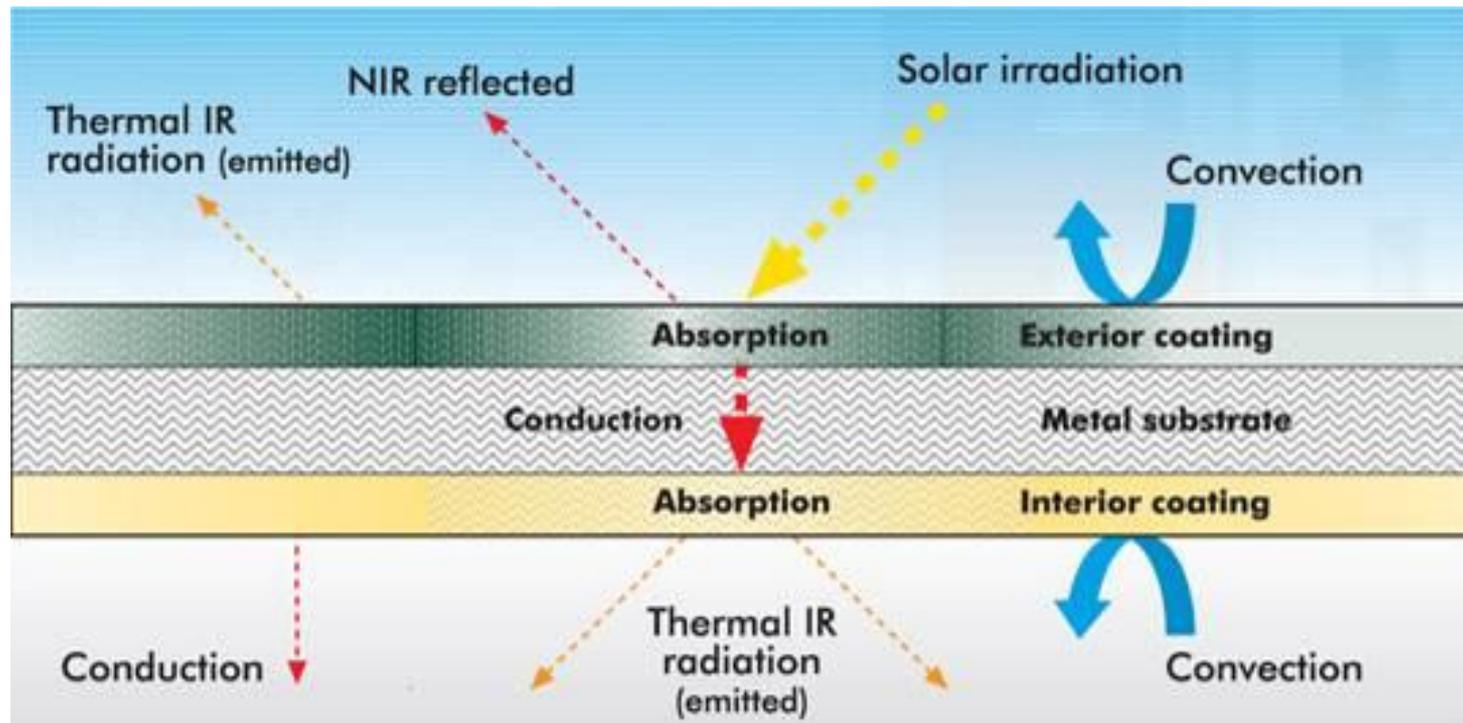
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Alcoa facility for Ferrari, Modena
Italy

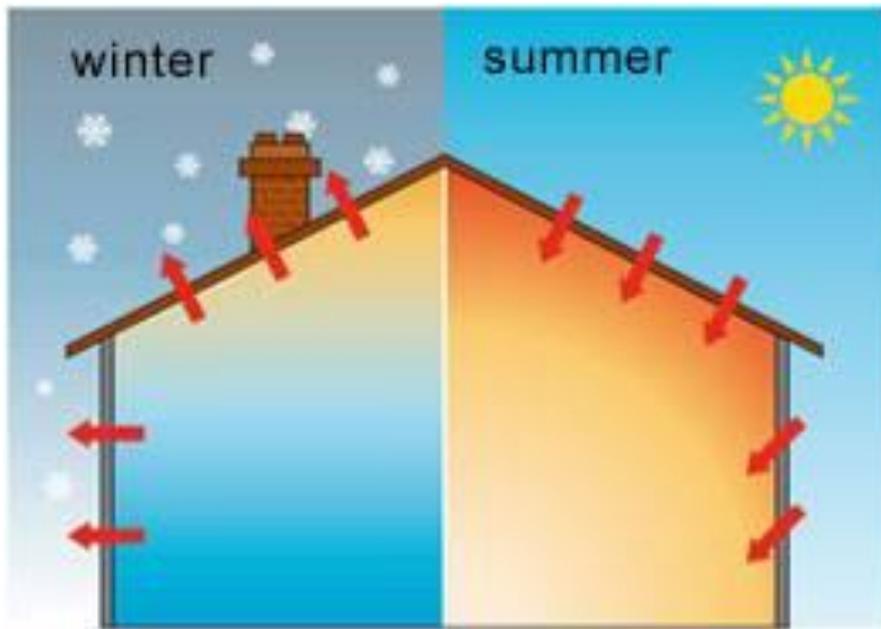


Duragloss[®] 5000 *Solar Reflective*

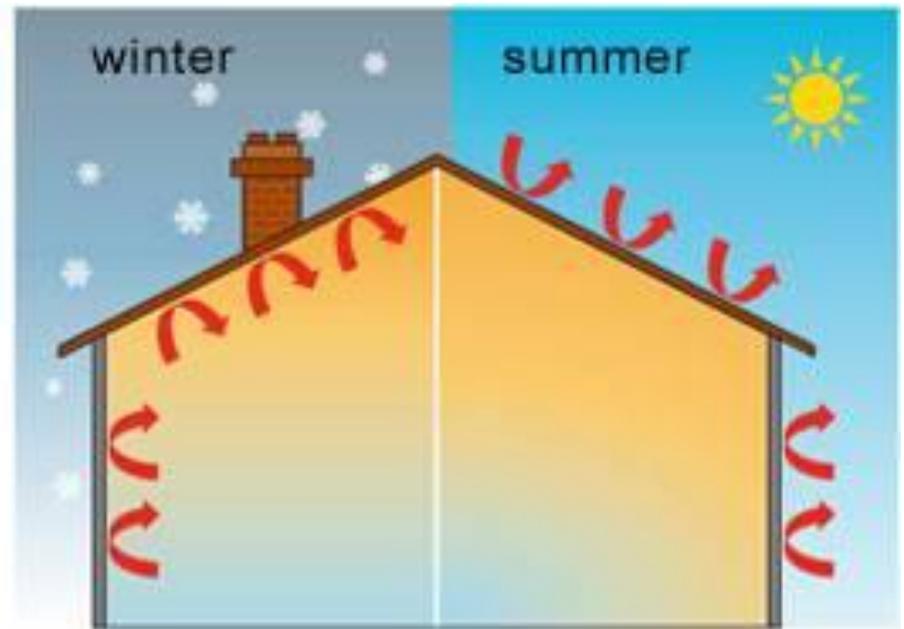


Energy transfer into a building

Duragloss[®] 5000 *Solar Reflective*

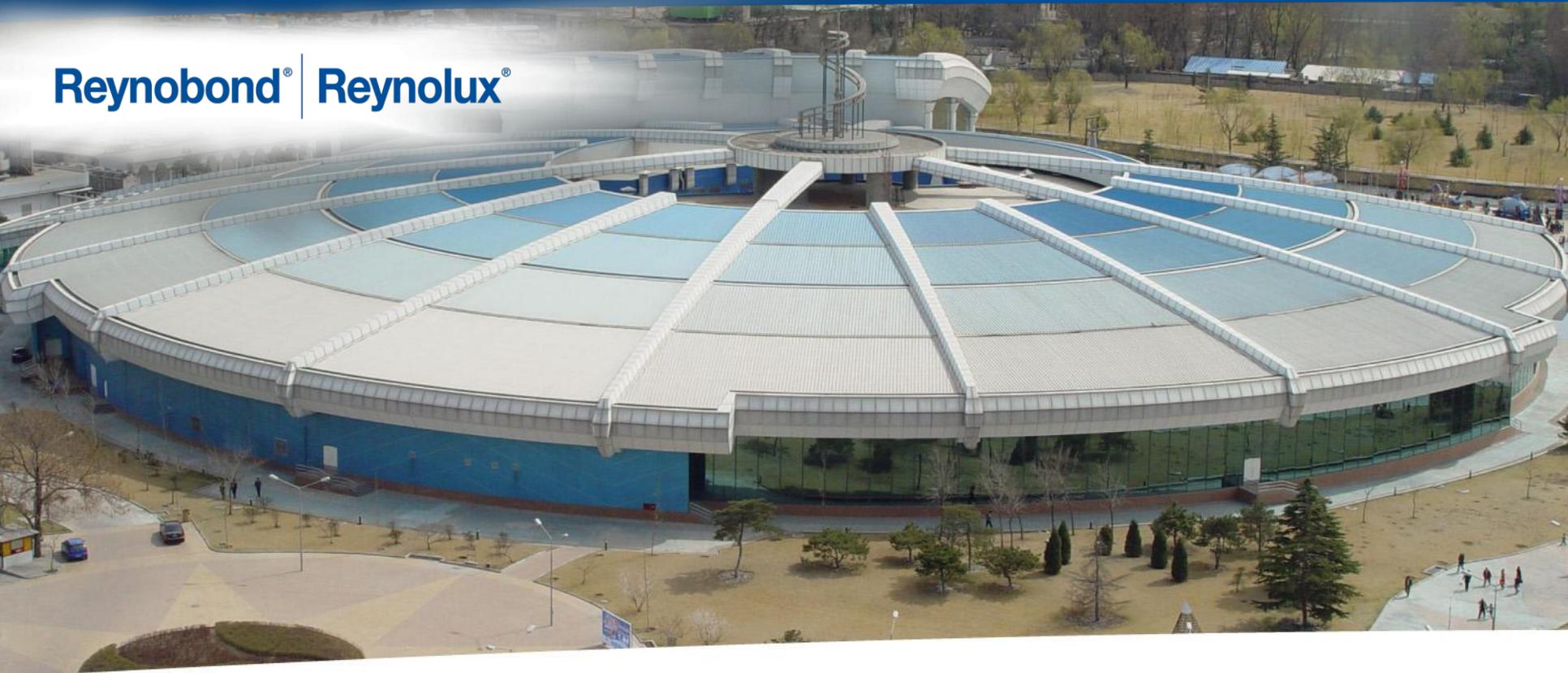


Standard



Solar Reflective

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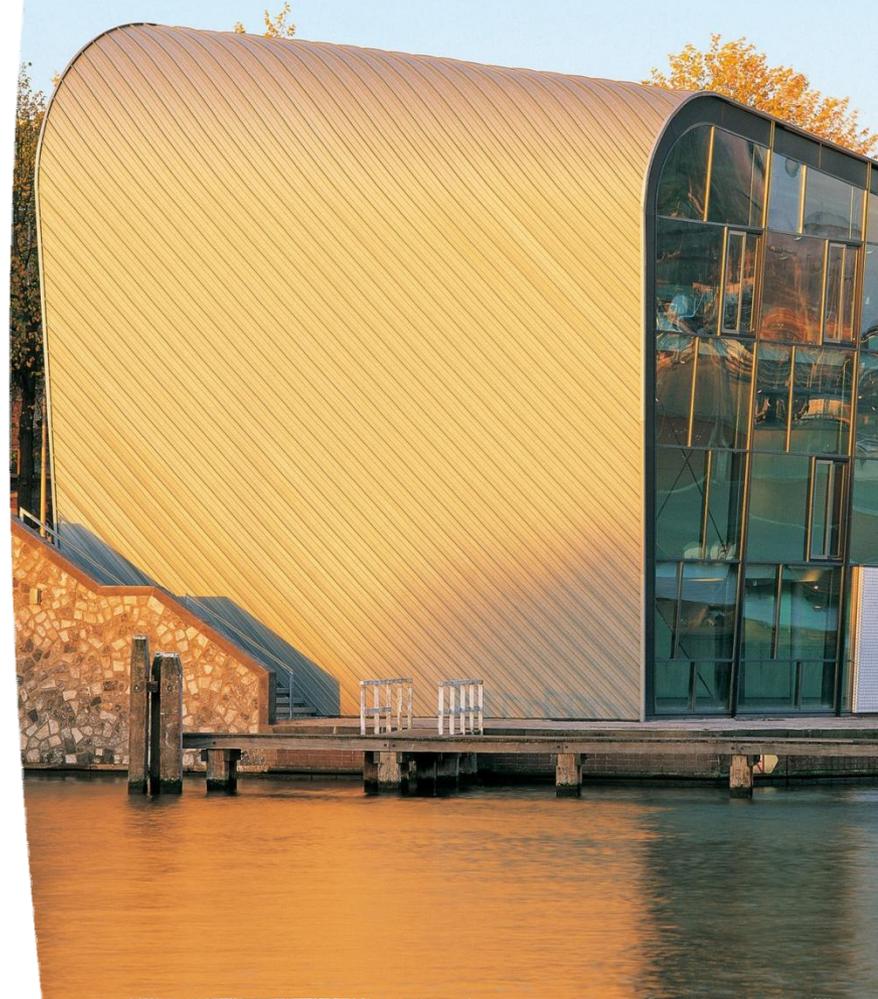
Beijing Aquarium, China



Dedicated to your Success

Services to optimize lifetime

- » Planning
- » Choice of the suitable coating system
- » Colour samples
- » The highest degree of individuality
- » Beautiful like on the first day
- » Alcoa 20 years warranty



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Kids Museum
Jordanania

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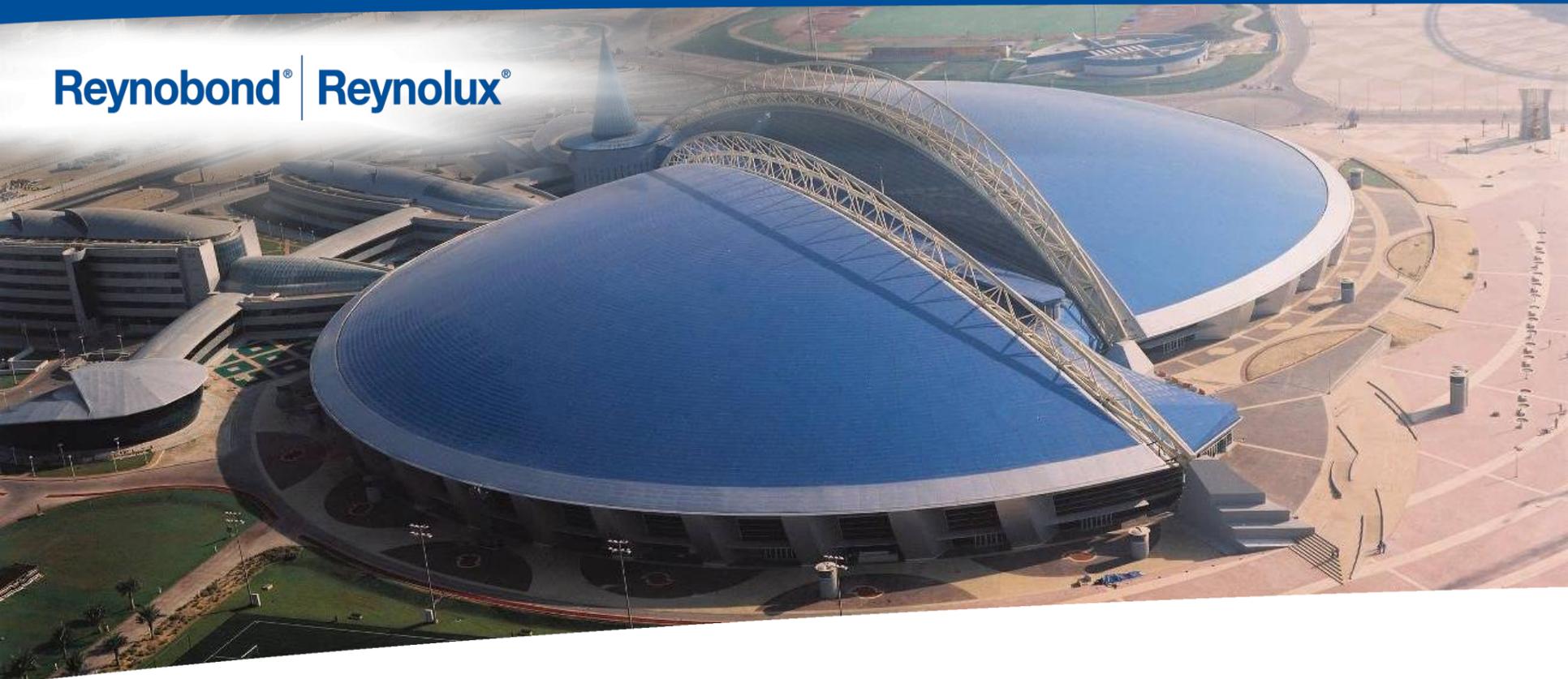
Alaska Museum, Alaska
USA

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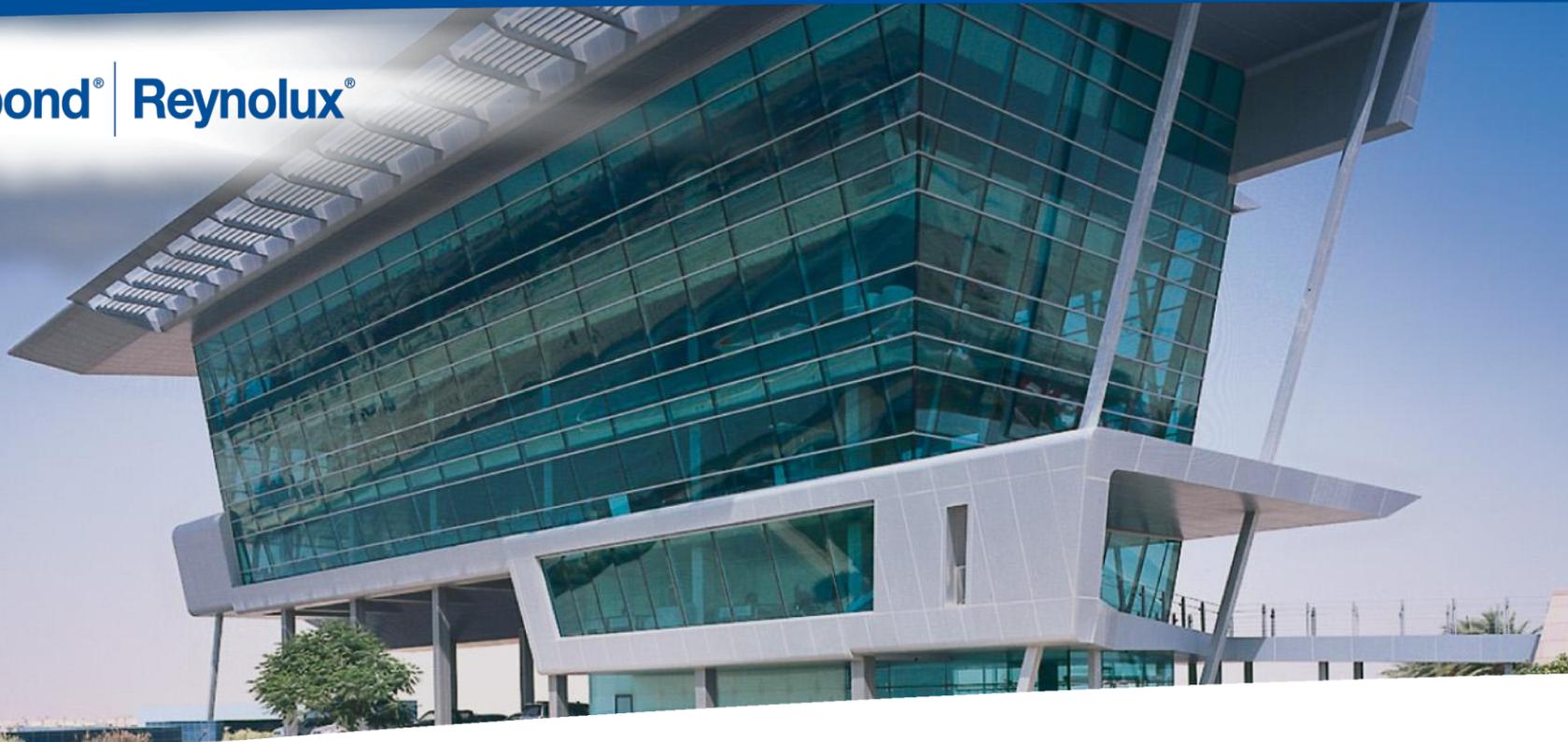
Airbus A380 office building, Toulouse
France

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Aspire Dome, Qatar
U.A.E

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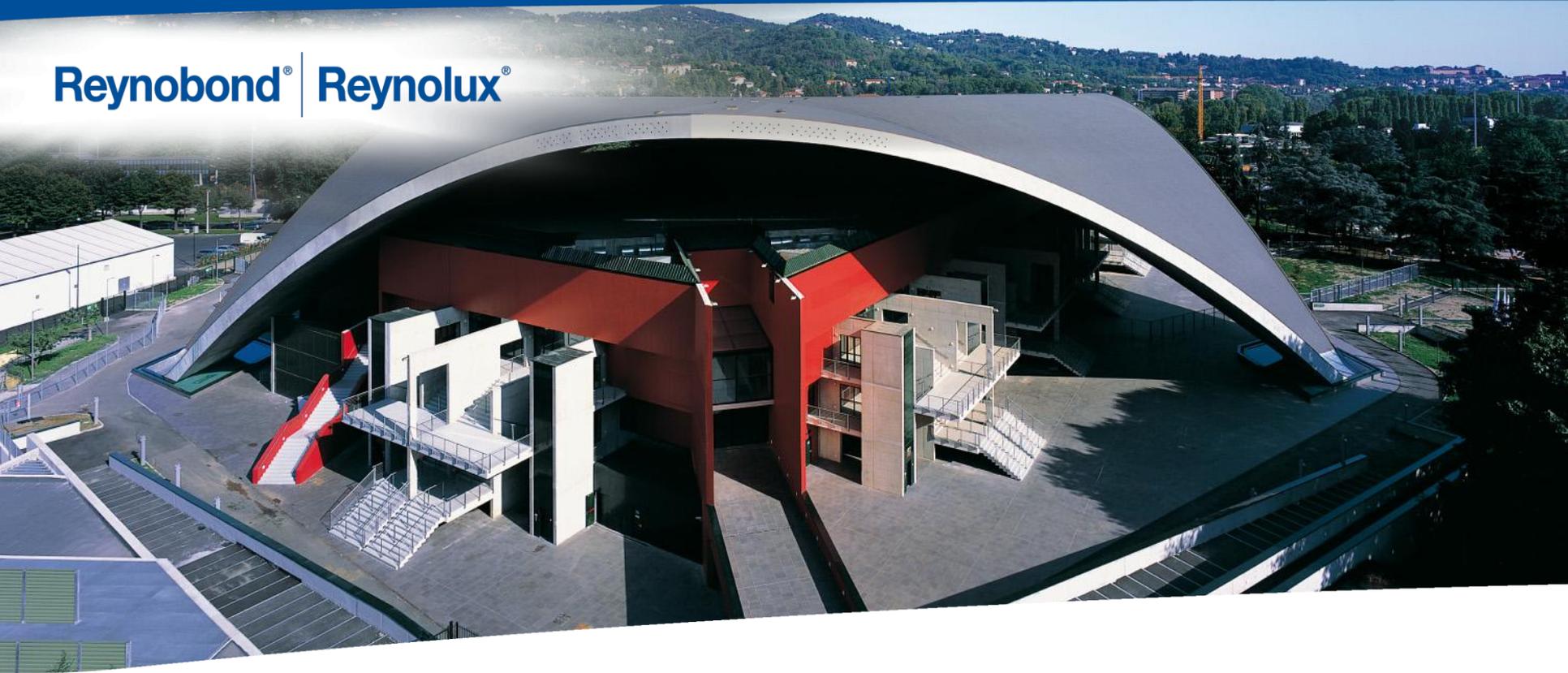
Formula 1 Stadium
Dubai

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Olympic Center Nanjing
China

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Palavela Olympic Stadium
Italy

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Palavela Olympic Stadium
Italy

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Swimming pool Paris
France

Reynobond® | Reynolux®



VM Husene
Denmark

Reynobond® | Reynolux®



Croydon Shopping Centre
UK

Reynobond® | Reynolux®

Inor office
Potugal



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Kruszyn Instal-Projekt
Poland

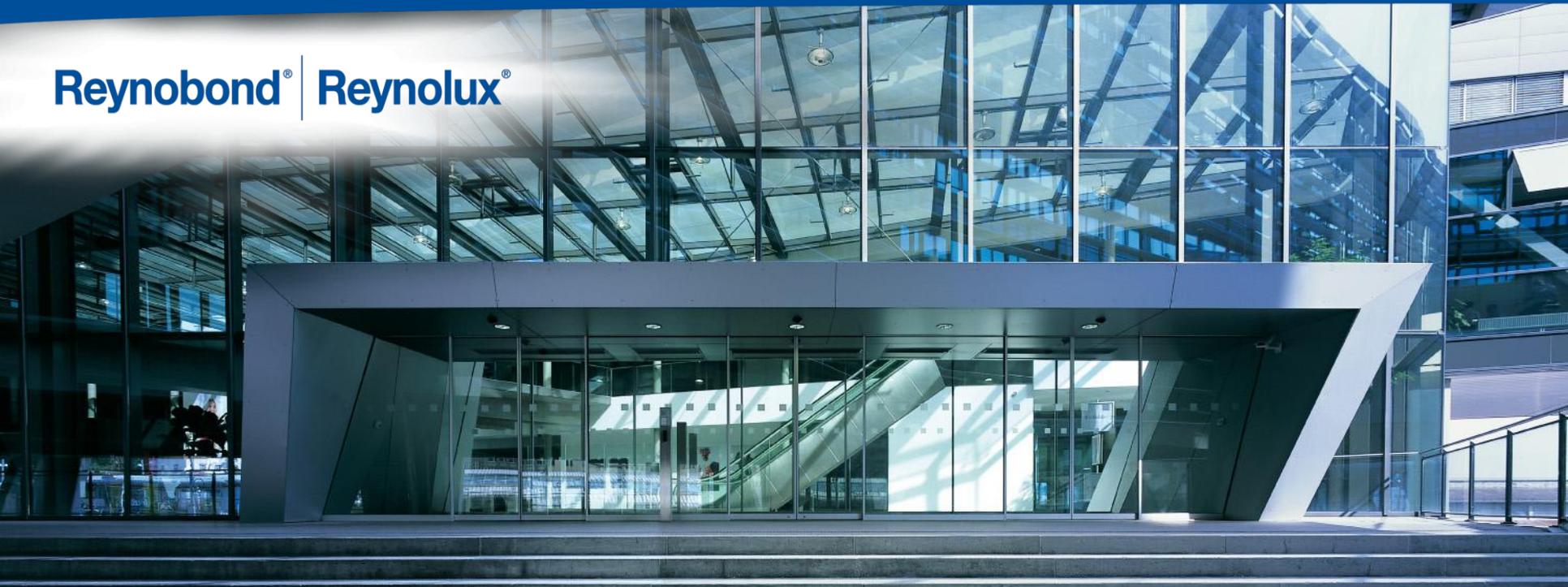
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Poplarville Laboratory
USA



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T-Mobile, Vienna
Austria

Numerous companies around the world trusting in Duragloss® for Corporate Identity projects

- » Painted aluminium and composite
- » Stripe coating possibilities
- » Coil coating and air dry solutions
- » Alcoa network support you worldwide



COIL COATED ALUMINIUM REYNOLUX®

DURAGLOSS® 5000 Properties

Properties	Method	Coil coated aluminium REYNOLUX®
Coating thickness	ECCA method T1 ASTM D 1400	Thickness according to colour : 35 µm
Specular gloss	ECCA method T2 ASTM D 523	High gloss / Medium gloss / Low gloss 3 % - >80 %
Colour difference	ECCA method T3	Spectrocolorimeter controls with the CIELab scale (45°/ 0° - 10° - D65)
Resistance to cracking on rapid deformation	ECCA method T5 ASTM B 2794	No cracking, no loss of adhesion
Adhesion after indentation	ECCA method T6 ASTM D 3359	100 % adhesion
Resistance to cracking on bending	ECCA method T7 ASTM D 4145	Very good flexibility (0T) Depending on alloy and temper
Acetic salt spray fog resistance	ECCA method T8	1 000 hours None or few blisters and max 2mm corrosion undercreeping
Salt spray fog resistance	ASTM B 117 – AAMA 620	3 000 hours None or few blisters and max 2mm corrosion undercreeping
Water immersion resistance	ECCA method T9 AAMA 620	3 000 hours None or few blisters
Abrasion resistance Falling sand	ASTM D 968 AAMA 620	> 55 liters
Acid resistance (*) • Nitric Acid	AAMA 620 ASTM D 1308	DE* < 5 units (except some blue and metallic colours)
• Hydrochloric Acid		No effect
Mortar test (*)	AAMA 620	No effect
Humidity resistance	ASTM D 2247 AAMA 620	3 000 hours No or little bubbles
Detergent resistance	AAMA 620	No effect
Color fastness on natural weathering	5 years 45° South FLORIDA	Maximum color change : 5 units for vertical applications / 8 units for non vertical applications
Resistance to chalking on natural weathering	5 years 45° South FLORIDA ASTM D 659	8

(*) For plain color

Alcoa Architectural Products

Member of the European Coil Coating Association (ECCA)
British Board of Agreement certification (BBA)
Certification ISO 9001 Certificate Nr 1993/1492b
Certification ISO 14001 Certificate Nr ENV/1999/14190



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