Reynobond®

Hoover™
Architectural Solutions

COMPOSITE MATERIAL



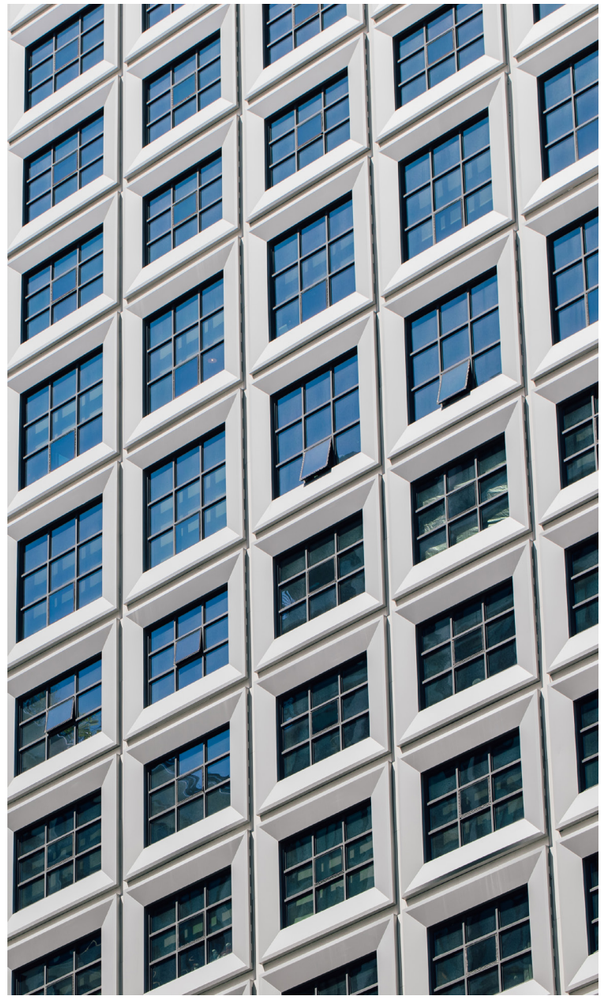


BUILD BOLDER.

COMPLETE VERSATILITY IN EXTERIOR APPLICATIONS– WITH REYNOBOND® COMPOSITE MATERIAL.

Reynobond® composite panels consist of two coated aluminum sheets that are laminated to both sides of a fire-retardant (FR) core. Flatness, lightweight, minimal expansion, high corrosion and weather resistance are some of the advantages that make it an outstanding product. Please ask for the product datasheet for more information.





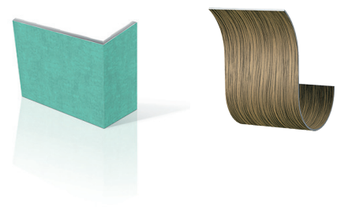




VERSATILE AND EASY TO FABRICATE.

Reynobond® composite panels enable flexibility in fabrication allowing freedom in design for unusual shapes.

- Bending
- Rolling



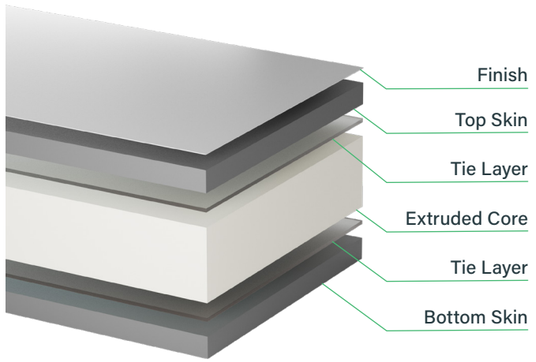
The Advantages of Reynobond®

Products

- Cost-effective: easy and quick installation and maintenance
- Highly UV and weather resistant
- Warranty up to 30 years
- Easy to fabricate and bend: freedom in design for unusual shapes

Services

- In widths up to 62 in and lengths up to 243 in (contact your local sales representative for longer lengths)
- Flexible and short lead times for standard stocking items



Paint Qualities & Technical Coatings

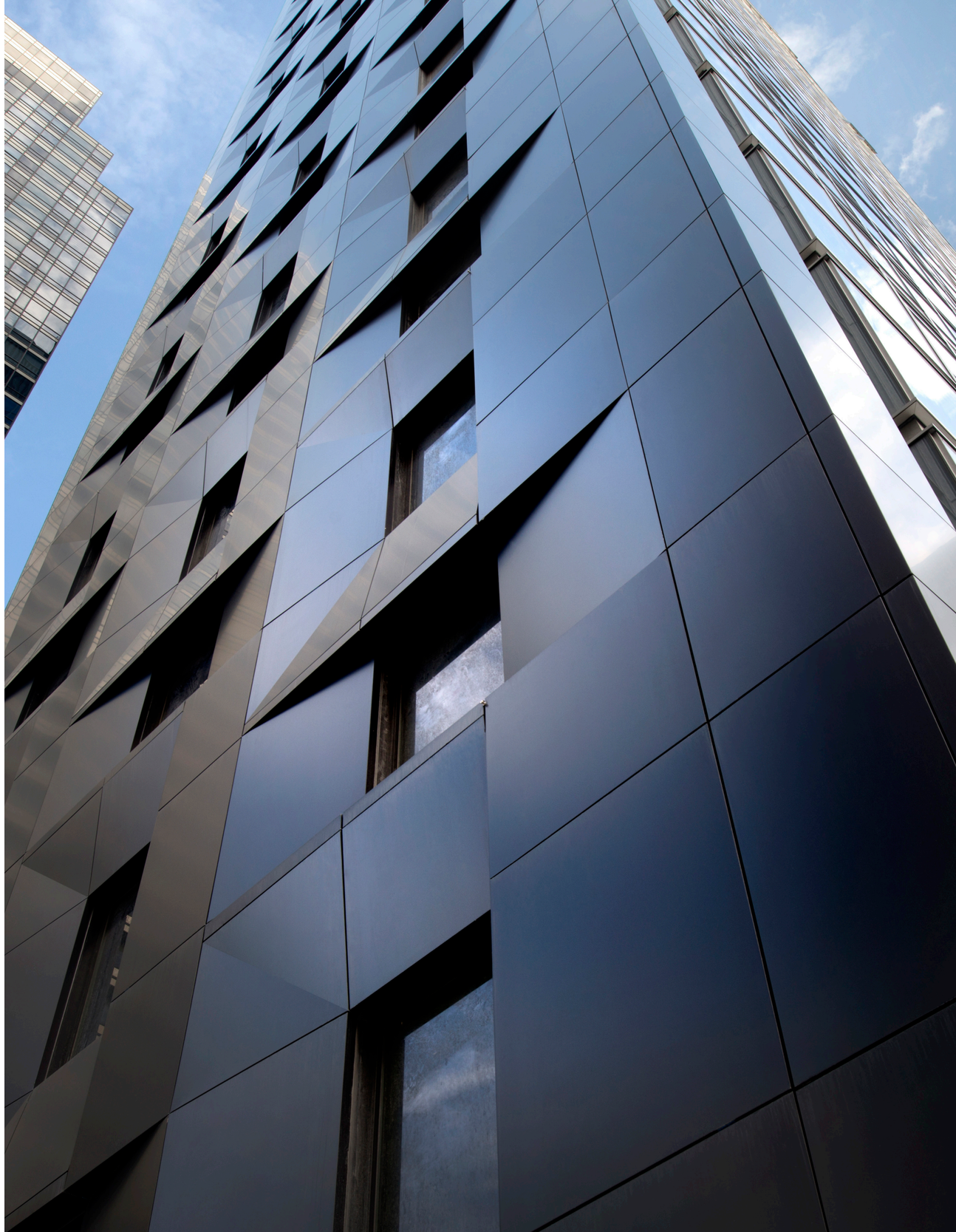
Good resistance to corrosion, UV and weathering, flexibility required for fabrication, and a wide range of colors are some of the advantages offered by our paint qualities. Finishes come with a warranty up to 30 years.



Colorweld® 500/500XL
High-performing, coil-coated finishes that allow color matching at the highest uniformity and quality. They feature 70% Kynar 500® / Hylar 5000® polyvinylidene fluoride (PVDF) resins with fluoropolymer technology, providing excellent flexibility and film adhesion for forming, with superior resistance to humidity, impact, salt spray, pollution and abrasion. Colorweld® 500/500XL paint is specifically developed for exterior applications including facades, soffits, and other decorative architectural features, making it ideal for both new construction and refurbishment projects.

Design Line™
A high-performance coating engineered specifically for exterior architectural applications, providing a durable and visually refined finish for both new construction and renovation projects. These multi-layer, polymer coatings provide high resistance to aging, UV and corrosion making them an attractive option for large outdoor applications.

Contact a sales or technical representative for additional information at HASTechnicalSales@hooveras.com.



Wide Range of Colors.

You can find all standard finishes in our color chart:

- **Colorweld® 500/500XL:** Solid, Mica, Metallic
- **Design Line™:** Wood, Mineral, Patina, Stone, Concrete
- **PrismFX™:** Color Shifting
- **Brushed Aluminum:** Natural Brushed, Long Brushed
- **Mirror:** Brite, Bronze, Copper, Gold, Stainless Steel
- **Anodized:** Clear and Tinted

Custom color matching also available.



Technical Data Reynobond® Composite Material

Products Composition		Reynobond® FR
Thickness composite panel		0.157 in - 4 mm
Thickness pre-painted aluminum sheet		0.020 in (± 0.002 in) - 0.5 mm (± 0.2 mm)
Alloy & temper		Series 3000
Core		FR
Front side finish		Anti-corrosive treatment plus: COLORWELD® 500/500XL or DURAGLOSS® DL/PFX
Reverse side finish		Washcoat - Other on request
Products Characteristics		
Width		62 in - 1575 mm
Length		243 in - 6172 mm
Weight		1.55 lb/ft² - 7.57 kg/m²
Tolerance in squareness		<0.118 in - < 3 mm
Tolerance in bow		+ 1/8"
Products Performance		
Tensile strength (Rm)	lb/in² - MPa	6.3 ks - 43.90 MPa
Flexural Modulus (Core Yield Shear stress)		176 psi - 1.21 MPa
Stiffness (EI)	lb-in²/in - MPa/cm²	1,133 lb-in²/in² - 1.28x10⁴ MPa/cm²
Thermal expansion		0.0288 in/ft OR 2.4 mm/m for a temperature variation of 100°C (212°F)
Temperature resistance		–40 °F / +180 °F - –40 °C / +80 °C
Maximum allowable deflection		L/60
Fire classification		
Flame Spread Index	ASTM E84	<25 - <450
Self Ignition Temperature	ASTM D1929	824°F - 440°C

Check local building code for acceptable deflection limits.
Our paint datasheets are also available, please ask for the dedicated datasheet.
The technical data refers to currently available products.

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