

CarbonZeroHPL

20
18

Interior & Exterior Panels

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MATHESON**
ARCHITECTURAL PRODUCTS

carbon
zerohp

CarbonZero Portfolio

CarbonZero HPL Interior and Exterior Panels are produced with our changing environment in mind. 85% of the energy used to produce our collection is renewable and generates zero carbon into the atmosphere. To offset the remaining 15%, the planting of 200 Hectares of trees, captures 2000 tons of CO2 per year.

CarbonZero HPL panels consist of 70% paper, a fast renewable resource, combined with thermoset resins to offer the ideal, no maintenance, highly durable, decorative panel, no matter the application or climate.

Compact

Compact offers excellent mechanical, structural and thermal properties. Compact is a high resistance panel with more dimensional stability and moisture resistance than conventional laminate panels. Compact is structural and designed for demanding applications such as transport and medical wall cladding, public restroom cubicles, lockers and commercial tables and countertops. Common thickness ranging from 4mm to 25mm (.15" to 1").



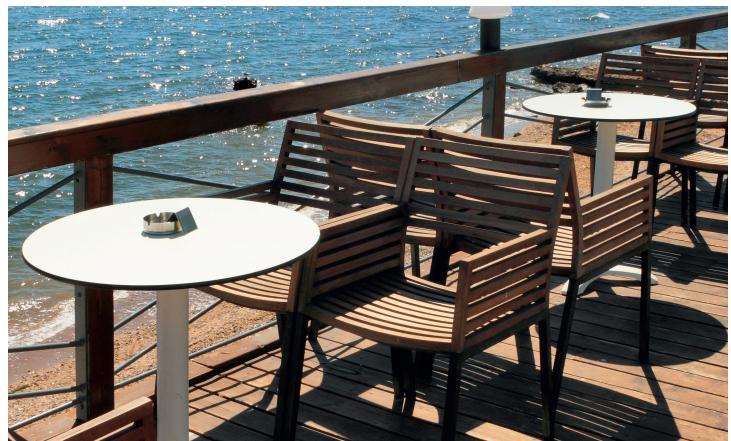
CompactX

CompactX is 100% thermo stable, non porous, waterproof, suffers no corrosion or discoloration due to outdoor exposure ensuring a great appearance over time. CompactX can be produced with superior graffiti resistance. CompactX is maintenance free and carries a 10 year warranty for UV stability, panel integrity and flatness.



CompactX²

CompactX2 utilizes high performance polymers in collaboration with electron beam curing technology to give extreme durability in exterior applications. Perfect for outdoor table surfaces, areas subject to regular graffiti, laboratory and medical applications. CompactX2 can be utilized horizontally with full UV exposure and maintain a 10 year warranty.



HPL

CarbonZero HPL offers all of the surface durability of Compact with the flexibility to be adhered to a wide array of cores for applications such as interior doors, cabinetry, countertops, furniture and more. All Carbon Zero 1mm or .7mm thick HPL can be supplied with a matching edge treatment.



Duramatte

CarbonZero Duramatte finish combines the pleasant visual and tactile experience of an extreme matte finish, while removing concerns of fingerprints or fragility. Duramatte's unique surface provides superior scratch and wear resistance beyond that of typical laminate surfaces.



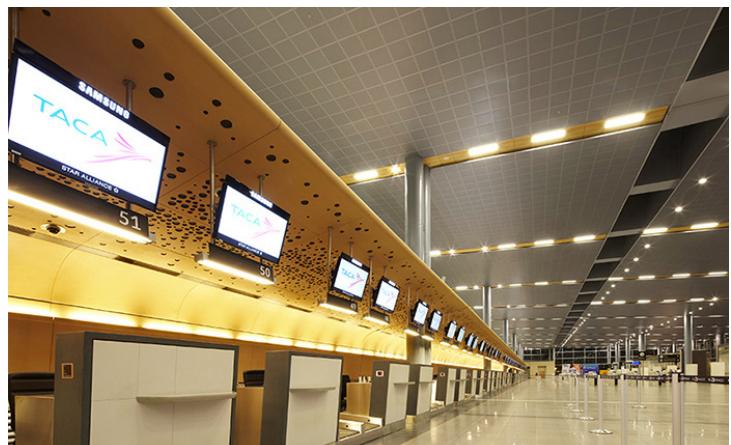
Digital

CarbonZero digital capabilities allow unique one-sheet productions in all standard panel dimensions in a matte or gloss finish. Panels may be specified for exterior use and can be sequenced to provide large-scale graphics across a façade.



Fire Retardant

CarbonZero is naturally fire retardant for the majority of applications. However Fire Retardant additives are available for projects that require the lowest degree of flame and smoke propagation. Tested under ASTM E-84, UNE-EN 13501 and NFPA 285 sometimes necessary in interior and exterior facades.



Lab Grade

Lab Grade has a higher Chemical resistance than that of standard grade laminates. It is recommended for applications in chemical and clinical laboratories, darkrooms, hospital furniture, etc. It is also ideal for vertical or horizontal applications where it is required that appearance and durability remain the same, when being exposed to chemical agents such as strong alkalis, corrosive salts, oxidant agents, organic solvents, strong acids, etc.



Solocore

CarbonZero HPL Solocore is produced 1mm (.040") (with backing layers the same as its surface, therefore obtaining a homogeneous color at corners or edges, giving the appearance of a solid material.



Dry Erase

Dry Erase offers a higher performance over conventional laminates for this kind of application. The Dry Erase requires easy maintenance in order to keep it free of marker traces. It is commonly used for institutional furniture at training academies, offices, schools and universities.



Metallic

CarbonZero Metallics are ideal when a metal appearance is desired with a high level of durability in either interior or exterior environments.



LEED Product Contributions

The following table shows the different credits in which the product can contribute and the number of possible points that can be achieved.

LEED 2009 for Core and Shell Development

| Resources, Water Efficiency | |
|---|----------------|
| Credit 13 Reduced use of water | 1 to 4 points |
| Chapter, Materials and Resources | |
| Credit 1.1 Reuse of existing buildings | 1 to 3 points |
| Credit 2 Waste management in construction | 1 to 4 points |
| Credit 4 Recycled content | 1 to 2 points |
| Credit 5 Regional Materials | 1 to 2 points |
| Chapter, Energy and Atmosphere | |
| Credit 1 Optimize energy performance | 3 to 21 points |

LEED 2009 Retail for New Construction and Major Renovations

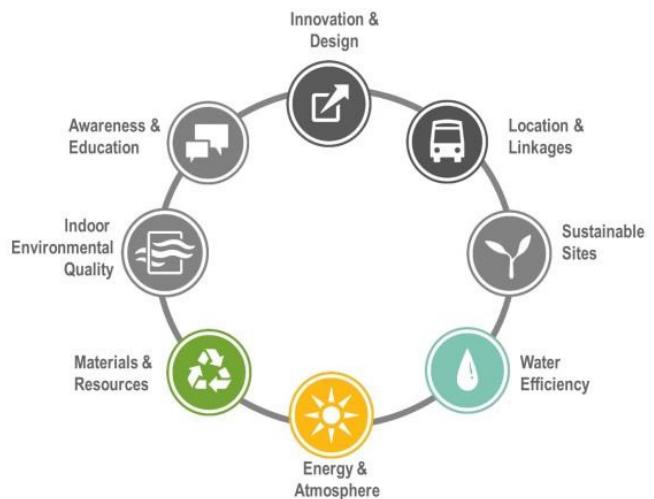
| Resources, Water Efficiency | |
|---|----------------|
| Credit 13 Reduced use of water | 1 to 4 points |
| Chapter, Materials and Resources | |
| Credit 1.1 Reuse of existing buildings | 1 to 3 points |
| Credit 2 Waste management in construction | 1 to 4 points |
| Credit 4 Recycled content | 1 to 2 points |
| Credit 5 Regional Materials | 1 to 2 points |
| Chapter, Energy and Atmosphere | |
| Credit 1 Optimize energy performance | 3 to 21 points |

LEED 2009 for New Construction and Major Renovations

| Resources, Water Efficiency | |
|---|----------------|
| Credit 13 Reduced use of water | 1 to 4 points |
| Chapter, Materials and Resources | |
| Credit 1.1 Reuse of existing buildings | 1 to 3 points |
| Credit 2 Waste management in construction | 1 to 4 points |
| Credit 4 Recycled content | 1 to 2 points |
| Credit 5 Regional Materials | 1 to 2 points |
| Chapter, Energy and Atmosphere | |
| Credit 1 Optimize energy performance | 3 to 21 points |

LEED 2009 for Schools New Construction and Major Renovations

| Resources, Water Efficiency | |
|---|----------------|
| Credit 13 Reduced use of water | 1 to 4 points |
| Chapter, Materials and Resources | |
| Credit 1.1 Reuse of existing buildings | 1 to 3 points |
| Credit 2 Waste management in construction | 1 to 4 points |
| Credit 4 Recycled content | 1 to 2 points |
| Credit 5 Regional Materials | 1 to 2 points |
| Chapter, Energy and Atmosphere | |
| Credit 1 Optimize energy performance | 3 to 21 points |



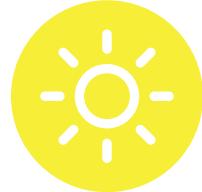
Water Efficiency

The material is self washable and does not require large waste water to maintain it's appearance.



Materials and Resources

The content of material comes from FSC certified wood.



Energy and Atmosphere

You can install material as a ventilated facade, which could contribute when developing energy saving strategies.

CarbonZero Collection

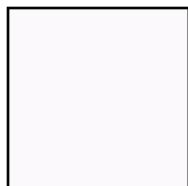
Solids



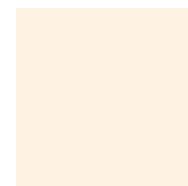
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AAM1018



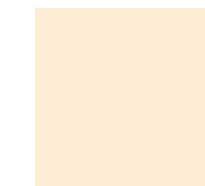
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AAM1012



AAM1027



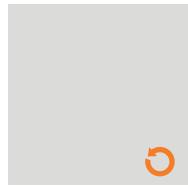
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AAM1021



AAM1023



AAM1026



AAM1014



AAM1016



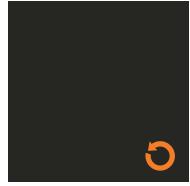
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AAM1177



AAM1175



AAM1176



AAM1164



AAM1165



AAM1166



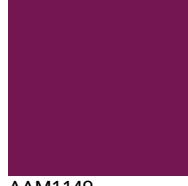
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AAM1169



AAM1173



AAM1149



AAM1174



AAM1163



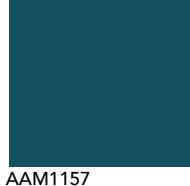
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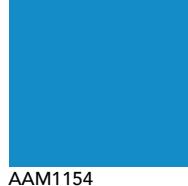
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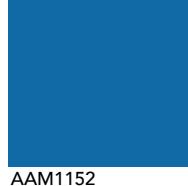
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AAM1157



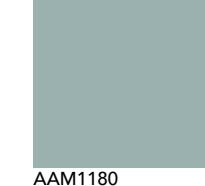
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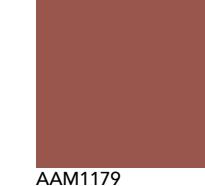
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AAM1151



AAM1180



AAM1179

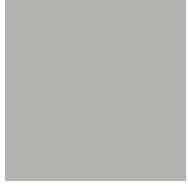
Metals



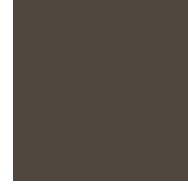
AAM1208



AAM1201



AAM1207



AAM1205



AAM1199



AAM1200



AAM1209



AAM1010

= Quick Ship Options

Sizes:

4 x 8 ft (1.22 x 2.44mt)

4x 10 ft (1.22 x 3.06mt)

Limited Décor:

5 x 8 ft (1.53 x 2.44mt)

5 x 12 ft (1.53 x 3.66mt)

6 x 8 ft (1.82 x 2.44mt)

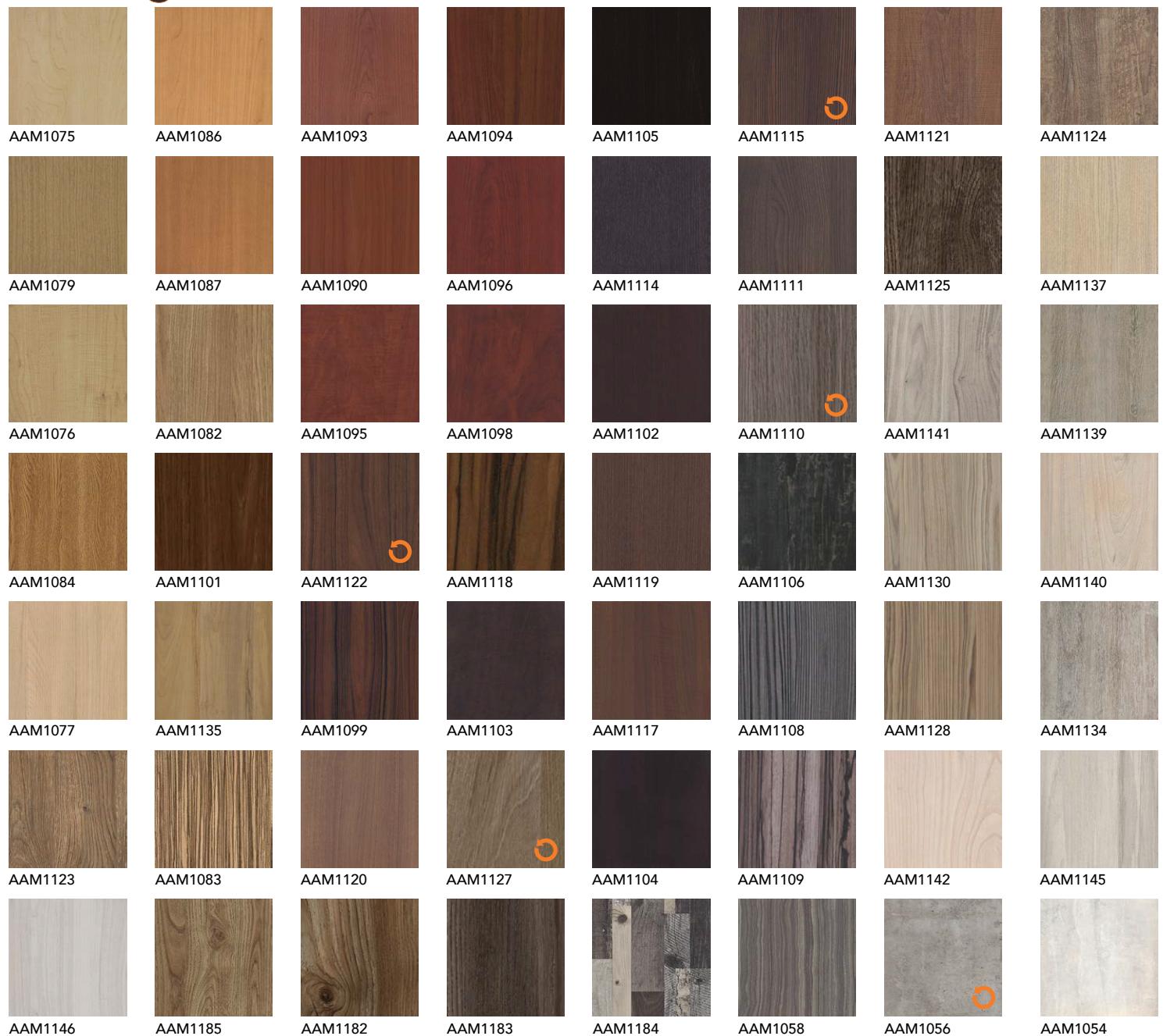
Thicknesses:

0.16" (4mm) 0.47" (12mm) 0.79" (20mm)

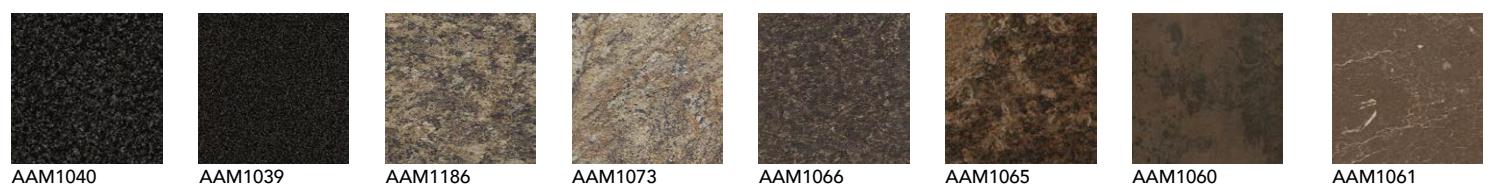
0.24" (6mm) 0.59" (15mm)

0.31" (8mm) 0.71" (18mm)

Woodgrains



Stones





*Please ask for our
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