

JUNE 2010 MATERIALS UPDATE

Material ConneXion®

As part of our continuing efforts to provide our clients with the newest and most innovative materials sourced from around the world, we are pleased to present our monthly Materials Update. Here you will find the latest materials to have been added to the database, upon their acceptance by our regular jury process.

These materials can be seen online and on-site at our New York location. Selected materials are also available at our Cologne, Daegu, Milan, and Bangkok locations; please call or email us at any of the addresses listed for more information.

Interested in these materials but not a client? Our subscription-based Materials Library is the world's largest library of advanced, innovative and sustainable materials and processes. With 45-60 new materials added every month, our libraries around the world give you immediate access to over 4,500 materials onsite and online, Material Specialists and Monthly Updates on what's new.

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CATEGORY INDEX

Carbon

Cement

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Process

MC#: 1632-17

Pre-finished real wood laminates. They have low flame spread characteristics according to IMO MED module B and US Coast Guard Module B. The veneers are used on HPL for surface linings, wall coverings, and doors on shipbuilding interiors.



MC#: 5296-05

Highly durable acrylic-based solid surfacing. This thermoformable, non-porous sheet has good stain and chemical resistance. It has good heat resistance and has a Class 1 flammability rating according to ASTM E-84.



MC#: 5799-04

Extremely sturdy textile comprised of knitted fabric laminated with an elastomer coating that is suitable for watertight applications. The coated fabrics are durable, highly wear-resistant, and allow maximum flexibility, even at very low temperatures.



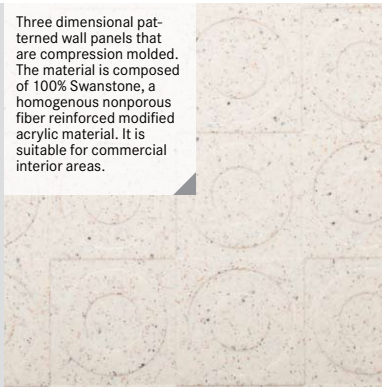
MC#: 1428-10

Fire retardant printable signage and banner material composed of 100% Kraft paper. The intended use is as an interior material for signage and drop ceilings, divider panels for tradeshow and event design.



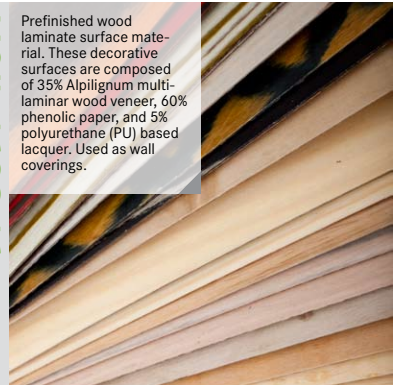
MC#: 4377-03

Three dimensional patterned wall panels that are compression molded. The material is composed of 100% Swanstone, a homogenous nonporous fiber reinforced modified acrylic material. It is suitable for commercial interior areas.



MC#: 1632-16

Prefinished wood laminate surface material. These decorative surfaces are composed of 35% Alpiglum multi-laminar wood veneer, 60% phenolic paper, and 5% polyurethane (PU) based lacquer. Used as wall coverings.



MC#: 4380-07

High pressure laminates (HPL) used to create decorative exterior skins and cladding surfaces. The panels are composed of 70% wood fibers and 30% phenolic resin that is compressed into a rigid, durable, non-porous surface.



MC#: 5799-03

A durable textile that is free of PVC and is abrasion and wear resistant. It passes the Taber Abraser Test (ASTM 3884 H22-wheels with a load of 500 g) for high abrasion resistance after 200,000 cycles.



MC#: 5795-03

A range of laser decorated hairy hides and suedes. These finished cow leathers are available in 2.2 sq m (23.68 sq ft) half hides with a thickness of 1.5 mm (0.06 in) in a range of 46 colors and 136 standard decors.



MC#: 6181-02

These PVC and polyurethane foam rolls are durable, anti-slip, flexible, and have high-impact absorbency. They are available in 5 different colors and are used as flooring in indoor or outdoor sports facilities.



MC#: 6181-03

Anti-slip floor covering material. This flexible flooring is composed of 100% pre-consumer shoe rubber outsole waste and SBR rubber. This flooring material has anti-slip properties and is durable, flexible and absorbs impact.



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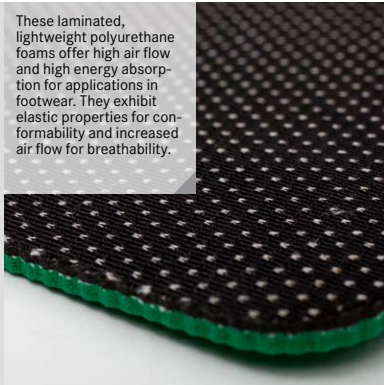
MC#: 6472-03

A range of water-based and energy curable UV coatings and finishes. These coatings and finishes are designed to improve the appearance and protective quality of finished packaging products and printed surfaces.



MC#: 6646-02

These laminated, lightweight polyurethane foams offer high air flow and high energy absorption for applications in footwear. They exhibit elastic properties for conformability and increased air flow for breathability.



MC#: 6649-01

Flexible, skin-safe and biodegradable membrane that is made from bacteria cultured in fermented coconut juice. It maintains high moisture content for applications as face masks for cosmetics and medical dressings.



MC#: 6181-04

100% recycled rubber derived from pre-consumer shoe rubber outsole waste. Multicolored EPDM (ethylene propylene diene Monomer (M-class) rubber) granules are added as visual effects. Applications are for indoor flooring.



MC#: 6500-02

Leather flooring with a leather fiber surface with a click system for a glue-free installation. The flooring consists of leather, natural latex, a HDF board as substrate. Applications are for fittings in hotels.



MC#: 6647-01

Cold metal transfer (CMT) is a welding and soldering process that offers a significantly larger gap bridging, lower thermal warpage and a virtually spatter-free result in comparison with traditional methods. Applications are for soldering.



MC#: 6650-01

Cotton and banana fabrics made using hand spun yarn. These woven fabrics are composed of 85% cotton and 15% banana fiber. These fabrics are made to order and have a 60 to 90 day lead time. Applications are for fashion apparel.



MC#: 6469-03

This additive to polypropylene (PP) offers improved stiffness and part quality with lower loading amounts than glass fiber or other fillers. The filaments are on a significantly smaller scale than standard glass fibers.



MC#: 6629-02

Aluminum floor and wall tiles with coordinating skirting board. These tiles are 100% aluminum, recyclable, lightweight and acid-resistant. They are available in 10 standard colors and machine etched in 8 different textures.



MC#: 6648-01

Flooring made from olive wood. The wood for this parquet floor comes from trees that no longer yield fruit due to their age. Olive wood is approximately 30% heavier and harder than oak and has a Brinell hardness between 5.5 and 6.0.



MC#: 6650-02

These natural textiles have been dyed with tea leaves and extracts of betel nuts resulting in an extract dye color. These textiles are composed of 70% silk and 30% cotton. Applications are for apparel, home textiles and interior design.



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MC#: 6650-03

100% cotton fabrics that utilize indigo, tea, or betel nut dyed yarns in the warp woven with cotton yarns in the weft. This fabric is lightweight, soft and uses no chemicals in the dyeing or finishing processes. Applications are for home textiles.



MC#: 6651-01

Exterior teak wood flooring units with a molded, structured high-density polyethylene (HDPE) backing. This flooring system is made from teak wood waste left over from furniture production. Applications are for outdoor flooring and pathways.



MC#: 6652-01

Decorative bamboo panels to be used on interiors or exteriors surfaces. These panels are made using waste bamboo pieces that are too small to use for other applications. Applications are for wall panels, countertops, furniture, and ceilings.



MC#: 6652-02

Decorative bamboo flooring. The floor panels are composed of three layers of 100% bamboo harvested from a bamboo plantation in Thailand. Applications are for indoor and outdoor flooring, wall panels, countertops, furniture and ceilings.



MC#: 6652-03

Three-layered flooring made from the stems of bamboo plants. These stems have been hand split into strips then sewn together for flat-press processing into flooring planks. It is available uncoated and coated as a exterior application.



MC#: 6652-04

Durable bamboo panels suitable for use outdoors. These panels are made using waste bamboo pieces that are too small to use for other applications. Additional coatings can be applied to make the panels fire-, and water-resistant.



MC#: 6653-01

Expanded metal mesh available in various sizes. This mesh is available in stainless steel, aluminum, brass, copper and other metals depending on the needs of the customer. Applications are for facades, sun screens, walkways, and ceilings.



MC#: 6654-01

Custom-order ceramic building materials for interior or exterior wall and floor applications. These extruded ceramic units are intended to act as both a structural brick and a decorative tile. Applications are for wall and flooring applications.



MC#: 6654-02

These extruded ceramic units are intended to convey a loose configuration while using a simple repeated unit and maximizing functionality. Applications are for interior or exterior wall and floor applications.



MC#: 6654-03

These ceramic units are created using a technique called slip-casting, which is a process for the forming of thin-walled objects using liquid clay slip and a water absorbent plaster mold. Used for interior or exterior wall and floor applications.



MC#: 6655-01

These handcrafted leather textiles employ traditional artistic leather-making to create both aged and contemporary surfaces. Custom made leather sizes are available upon request and no minimum order is required.



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MC#: 6656-01

A collection of flexible of paper sheets are made from natural and recycled paper fibers. These patented materials are composed mainly of cellulose (80%), recycled paper waste and latex. Applications are for clothing and shoes.



MC#: 6657-01

Translucent real wood composite elements. These composite elements consist of natural materials and epoxy resin. The panels are available in stripe or grid design. Applications are for furniture fronts, ceilings and wall coverings.



MC#: 6658-01

Four layer high performance yarn with a high tenacity inner core that is then covered with filaments of recycled polyester (PET) and then two surface filament layers in opposite directions on top of each other. Used for woven apparel.



MC#: 6658-02

Four layer high performance yarn with a high tenacity inner core that is then covered with filaments of recycled polyester (PET). These yarns are woven into fabrics for luggage, apparel, accessories and sportswear.



MC#: 6659-01

Reflective wallpaper consisting of a non-woven backing covered with glass beads. The material is hand-crafted with transparent glass microspheres of varying diameters that is deposited and resin-bonded onto the surface.



MC#: 6661-01

Silvered, hand-blown glass. This glass is created on a per project basis with thickness, shape, and textures customizable. Applications are for high-end art features, lighting, wall coverings, and decorative objects.



MC#: 6661-02

This cast, silvered glass is created on a per project basis with thickness, shape, and textures customizable. Applications are for high-end art features, lighting, wall coverings, and decorative objects.

