

JANUARY 10 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.

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Carbon	Cement
Metal	Glass
Polymer	Ceramic
Natural	Process

MC#: 0175-02

Densely woven cotton fabric for apparel applications. This natural, breathable, all-weather woven textile is durable, wind-proof and water-repellent. This fabric is claimed to be the highest density uncoated cotton fabric currently available.



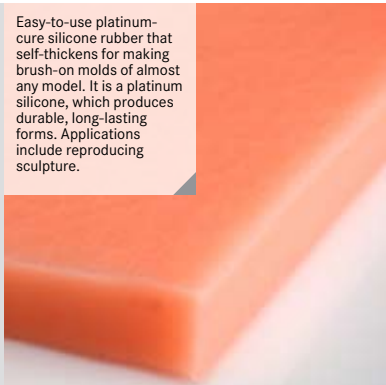
MC#: 1428-08

Honeycomb structured paper system for suspended ceilings. It is constructed from a paper composed of polyester, cellulose and fiberglass. Applications are for public spaces including retail stores, showrooms, and museums.



MC#: 1737-05

Easy-to-use platinum-cure silicone rubber that self-thickens for making brush-on molds of almost any model. It is a platinum silicone, which produces durable, long-lasting forms. Applications include reproducing sculpture.



MC#: 1737-06

Tin-cured silicone rubber resin that offers excellent working properties and very fine detail capture. The rubber is a two part compound with a pot life of 45 minutes and a cure time of 24 hours. Applications are for mold manufacture.



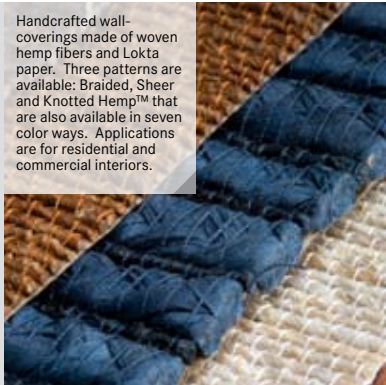
MC#: 2687-11

Handmade wallcoverings crafted from Lokta. This is a small, woody plant indigenous to the Himalaya region whose fibers have been manufactured into paper that has been used for Tibetan Buddhist texts and is currently used for Japanese currency.



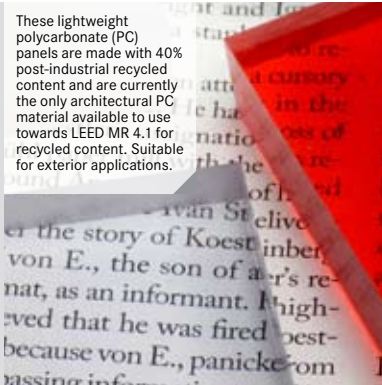
MC#: 2687-12

Handcrafted wall-coverings made of woven hemp fibers and Lokta paper. Three patterns are available: Braided, Sheer and Knotted Hemp™ that are also available in seven color ways. Applications are for residential and commercial interiors.



MC#: 3416-11

These lightweight polycarbonate (PC) panels are made with 40% post-industrial recycled content and are currently the only architectural PC material available to use towards LEED MR 4.1 for recycled content. Suitable for exterior applications.



MC#: 4187-02

Wicking performance fabric for athletic apparel. The fibers used in this range of fabrics have a cross-sectional shape that allows more air permeability and fast evaporation of humidity from perspiration.



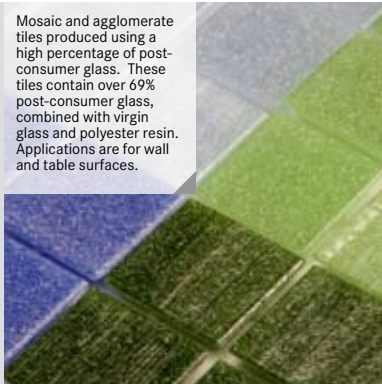
MC#: 4951-02

Composite structural panels for wall paneling with texture and surface decoration. They are manufactured from porcelain ceramic and structurally binding nets. Engineered as floor and wall panels, they are also used for countertops.



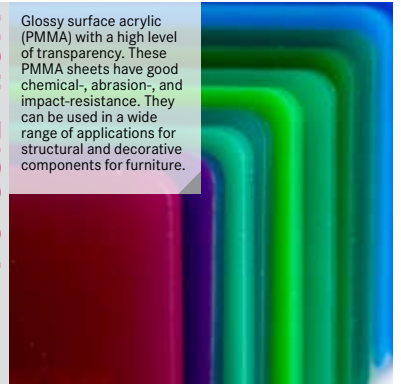
MC#: 5026-08

Mosaic and agglomerate tiles produced using a high percentage of post-consumer glass. These tiles contain over 69% post-consumer glass, combined with virgin glass and polyester resin. Applications are for wall and table surfaces.



MC#: 5123-04

Glossy surface acrylic (PMMA) with a high level of transparency. These PMMA sheets have good chemical-, abrasion-, and impact-resistance. They can be used in a wide range of applications for structural and decorative components for furniture.



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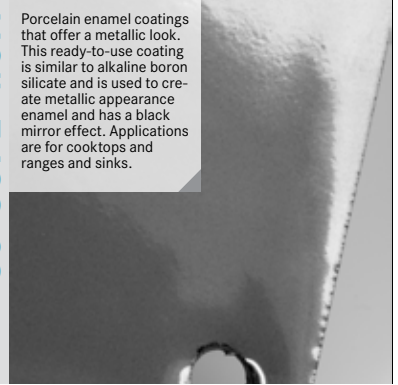
MC#: 5210-05

Architectural fabrics with high tensile strength. These woven textiles are constructed from polyvinylidene fluoride (PVDF) with a fluoropolymer coating. Applications are for sun blinds, screens, awnings, luminous ceilings and walls.



MC#: 5438-03

Porcelain enamel coatings that offer a metallic look. This ready-to-use coating is similar to alkaline boron silicate and is used to create metallic appearance enamel and has a black mirror effect. Applications are for cooktops and ranges and sinks.



MC#: 5463-05

Decorative mosaic tiles composed of polyester resin with up to 20% mineral fillers. There is a water soluble film used to maintain the register of the mosaic that dissolves during installation. Applications include wall and ceiling coverings.



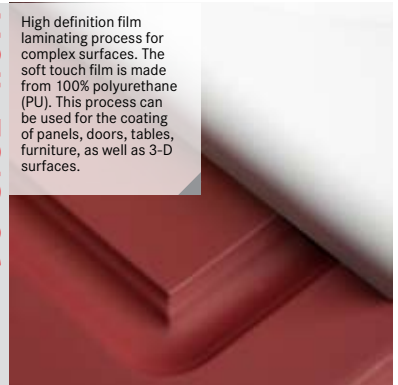
MC#: 5702-04

Translucent honeycomb paneling that utilizes a random array of polycarbonate tubes to create a unique aesthetic effect. Customization of both thickness and color are possible with a minimum order. Applications are for walls, doors and furniture.



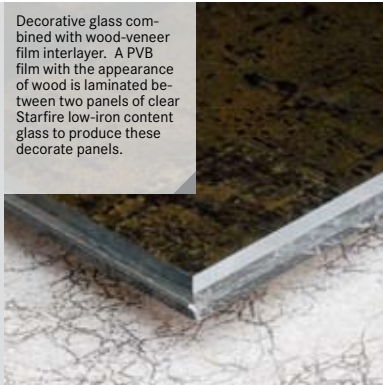
MC#: 5812-06

High definition film laminating process for complex surfaces. The soft touch film is made from 100% polyurethane (PU). This process can be used for the coating of panels, doors, tables, furniture, as well as 3-D surfaces.



MC#: 6111-07

Decorative glass combined with wood-veneer film interlayer. A PVB film with the appearance of wood is laminated between two panels of clear Starfire low-iron content glass to produce these decorate panels.



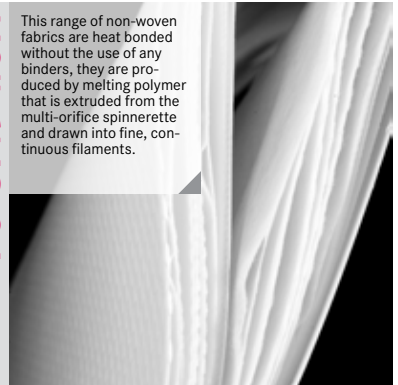
MC#: 6142-03

This multi-functional non-woven has high barrier efficiency and displays good filtration performance while maintaining high air and liquid permeability. Used in the medical industry and as membrane substrates and filters.



MC#: 6142-04

This range of non-woven fabrics are heat bonded without the use of any binders, they are produced by melting polymer that is extruded from the multi-orifice spinnerette and drawn into fine, continuous filaments.



MC#: 6472-02

A UV-curable alternative to foil board laminating and hot foil stamping. The liquid coating consists of tiny aluminum platelets applied by flexographic printing. An additional colored ink layer is added to create any metallic color.



MC#: 6528-06

Velvet contract upholstery fabric. This material is treated with a UV-resistant finish, making it colorfast and suitable for both indoor and outdoor use. It is also treated with an anti-static coating to reduce attraction to dust. Used for upholstery.



MC#: 6528-07

These coated fabrics are composed of 3% polyurethane (PU), 25% cotton and 72% PVC. These synthetic leathers are treated with VINYZENE, an antimicrobial and anti-mold agent certified by Bio-Pruf from Rohm and Haas.



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MC#: 6528-08

This range of high performance coated textiles exhibit both anti-bacterial and flame retardant properties. They are composed of 63% polyurethane and 37% cotton. They withstand 150,000 double rubs on the Martindale scale.



MC#: 6528-09

Coated synthetic leather that offers a glossy, easy clean surface for contract upholstery. Thermoplastic polyurethane (PU) is coated onto a cotton knit backing to a total thickness of 1.2 mm (0.05 in). Applications are for contract upholstery.



MC#: 6575-01

Rigid, lightweight solid panels made from recycled denim. 100% cotton, post-consumer, recycled denim fabric is cut in to small pieces and mixed with a PMDI (non-formaldehyde) adhesive. Applications include furniture.



MC#: 6576-01

These fabrics are composed of 100% chenille viscose for carpet pile with a 100% recycled polyester core and 100% cotton canvas backing. Applications are for floor coverings as bathmats and area rugs, slippers, bags, toys and dolls.



MC#: 6577-01

Antimicrobial polymer based on reactive silane (a silicon based chemical SiH4 analogous to methane). It is cost effective than silver antimicrobials, killing microbes within minutes. The product is currently incorporated into face masks.



MC#: 6578-01

These outdoor textiles present a soft hand with high light and color fastness. The fabric consists of 100% polyacrylonitrile (PAN) and is available in a width of 55 in (140 cm) and a weight of 364.9 g/sq m. Applications are for exterior upholstery.



MC#: 6579-01

This wide range of metal yarns can be utilized for weaving and twisting, narrow fabric weaving, label weaving. It consists of rayon, polyamide (PA), polyester (PES) and aluminum. Applications are for home textiles, decorative fabrics and ribbons.



MC#: 6580-01

Natural rubber flooring for high-traffic areas with an even, directionally oriented relief structure. The surface is matte and where the three-dimensional effect creates light and shadow effects. Used in training centers, public buildings or libraries.



MC#: 6581-01

Aluminum, stainless steel, brass and copper sheets with surface decors that create a 3-dimensional, dynamic optical effect, whose reflection changes depending on the viewing angle and lighting conditions. Applications include furniture.



MC#: 6582-01

Engineered wood flooring with a top layer of thermally treated oak or ash. This treatment reduces free water and water vapor uptake by wood, resulting in reduced shrinkage, improved durability, and resistance to fungus and decay.



MC#: 6582-02

Engineered wooden flooring. This flooring is made from a thermally treated oak or ash top layer that is glued onto a layer of birch plywood or softwood. Applications are for flooring and paneling of residential and public interiors and exteriors.



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MC#: 6583-01

Biodegradable polyethylene envelopes and accessories. The polyethylene used for these products is treated with an additive that allows it to biodegrade completely in both aerobic and anaerobic conditions in 12 – 36 months.



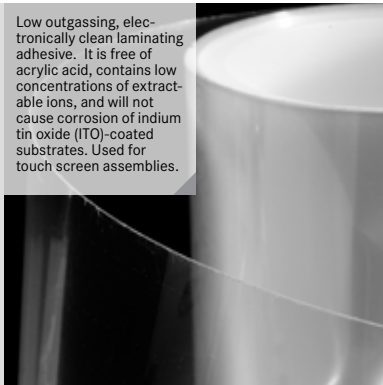
MC#: 6584-01

Fiber that can be woven to form clothes and bedding that regulates body temperatures and increases blood circulation in the body. Clinical testing has demonstrated the material's effectiveness for pain relief and better quality sleep.



MC#: 6585-01

Low outgassing, electronically clean laminating adhesive. It is free of acrylic acid, contains low concentrations of extractable ions, and will not cause corrosion of indium tin oxide (ITO)-coated substrates. Used for touch screen assemblies.



MC#: 6586-01

Mosaic tile that uses shattered, recycled glass chips bonded onto a substrate. The tempered glass is recycled refuse from commercial glass companies in Northern California. Applications include vertical wall surfaces.



MC#: 6587-01

A non-toxic alternative to chemically-based anti-microbial treatments. A pattern is imprinted onto a durable acrylic on polyester (PMMA on PET) film that may be applied via contact adhesive to existing surfaces to inhibit bacterial growth.



MC#: 6588-01

Upholstery fabric from recycled materials. These woven textiles made of 100% recycled polyester (PET) from post-consumer plastic bottles. The fabrics are treated with NanoTex rendering them moisture and stain resistant.



MC#: 6589-01

100% recycled paper board used for packaging. The surface is made of recycled paper board and the middle layer is made of recycled cardboard. The sheet size is 80 x 110 cm (31.5 x 43.3 in) and is available in black, white and brown.



MC#: 6589-02

Paper board that is derived from recycled beverage containers. The surface is made of recycled milk cartons and other assorted beverage containers. The middle layer is made of recycled papers such as newspapers and magazines.

