

# JANUARY 2013 MATERIALS UPDATE

## Material ConneXion®

As part of our promise 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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Material ConneXion®

## CATEGORY INDEX

Carbon

Cement

Metal

Glass

Polymer

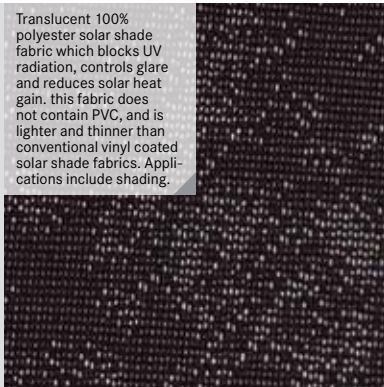
Ceramic

Natural

Process

MC#: 2386-04

Translucent 100% polyester solar shade fabric which blocks UV radiation, controls glare and reduces solar heat gain. This fabric does not contain PVC, and is lighter and thinner than conventional vinyl coated solar shade fabrics. Applications include shading.



MC#: 5321-02

100% elastomeric, 'non-grabbing' polymer closure that is an alternative to hook and loop fasteners. The open-matrix structure allows for easy cleaning and ventilation. Used for apparel, footwear, undergarments, safety gear, bags, luggage and sports equipment.



MC#: 6225-08

Handmade textile composed of 100% felted New Zealand wool. The pile of the textile has extra thick fibers and multilayer mottling adding to the sound absorption and anti-static properties. Applications include residential flooring.



MC#: 1632-19

Veneer made through a process that "peels" the wood, dyes it by immersion in water based dyes and "reconstitutes" it by overlapping the sheets to form a new log. Applications are for furniture, automotive, marine, and flooring.



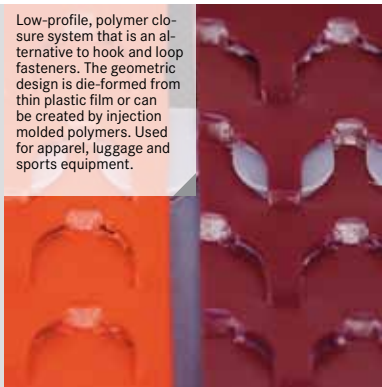
MC#: 2386-05

Dark colored shading fabric composed of 36% fiberglass and 64% vinyl which reflects Near Infrared (NIR) solar radiation, controls glare and reduces fabric and room temperature.



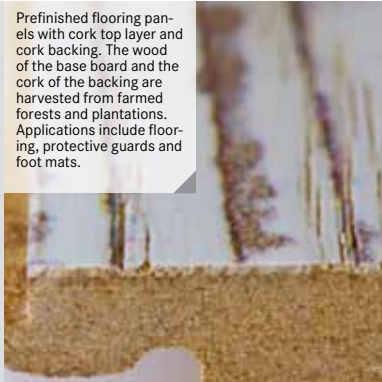
MC#: 5321-03

Low-profile, polymer closure system that is an alternative to hook and loop fasteners. The geometric design is die-formed from thin plastic film or can be created by injection molded polymers. Used for apparel, luggage and sports equipment.



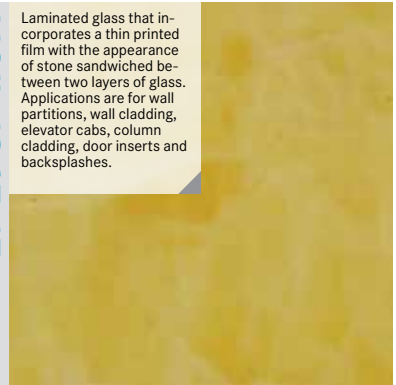
MC#: 6604-02

Prefinished flooring panels with cork top layer and cork backing. The wood of the base board and the cork of the backing are harvested from farmed forests and plantations. Applications include flooring, protective guards and foot mats.



MC#: 1965-15

Laminated glass that incorporates a thin printed film with the appearance of stone sandwiched between two layers of glass. Applications are for wall partitions, wall cladding, elevator cabs, column cladding, door inserts and backsplashes.



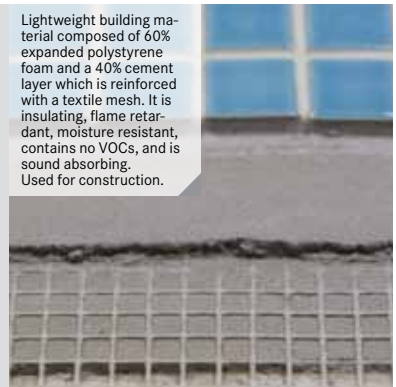
MC#: 2567-06

High-visibility and flame-resistant woven and knitted mesh fabrics composed of modacrylic, para-aramid and nega-stat® fibers. Used for safety apparel.



MC#: 6196-03

Lightweight building material composed of 60% expanded polystyrene foam and a 40% cement layer which is reinforced with a textile mesh. It is insulating, flame retardant, moisture resistant, contains no VOCs, and is sound absorbing. Used for construction.



MC#: 6604-03

Veneered wood flooring for interior applications. The wood is harvested from self-sustaining farmed forests, tested for pollutants and is recyclable. Applications include flooring.



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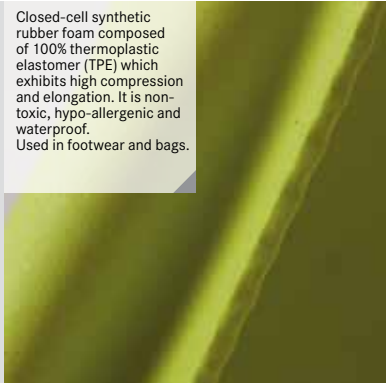
Ceramic

Natural

Process

MC#: 6977-05

Closed-cell synthetic rubber foam composed of 100% thermoplastic elastomer (TPE) which exhibits high compression and elongation. It is non-toxic, hypo-allergenic and waterproof. Used in footwear and bags.



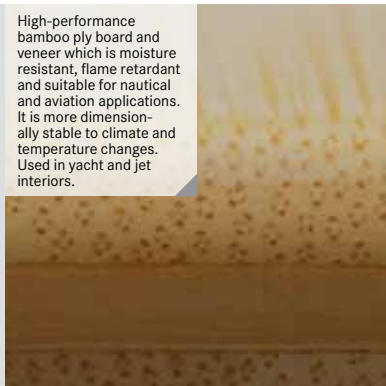
MC#: 6979-06

Decorative knitted textile that is composed of 50% cotton and 50% polyester backed with acrylic fabric. These machine knitted textiles that mimics a hand knitted garment comes in several color variations. Used for accessories, upholstery and wallcoverings.



MC#: 6994-03

High-performance bamboo ply board and veneer which is moisture resistant, flame retardant and suitable for nautical and aviation applications. It is more dimensionally stable to climate and temperature changes. Used in yacht and jet interiors.



MC#: 6971-04

100% cellulose, viscose (rayon) micro fiber manufactured from renewable cellulose. It is finer than silk, and is manufactured to have a water retention capacity of more than 400% compared to standard viscose that only retain about 100%.



MC#: 6979-05

Decorative textile woven from strips of metallic and matte polyurethane leather that is backed with foam. These flat weave textiles come in several color combinations and can be customized with a minimum order. Used for accessories, upholstery and wallcoverings.



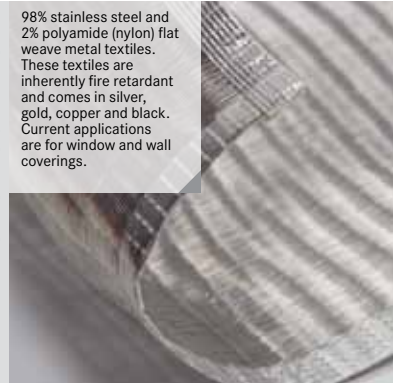
MC#: 6977-04

Closed-cell synthetic rubber foam composed of 100% thermoplastic elastomer (TPE). The foam is non-toxic, solvent-free, hypo-allergenic and waterproof. Used in apparel.



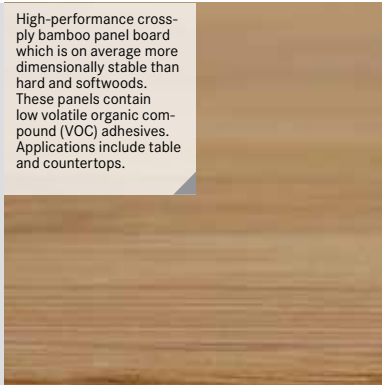
MC#: 6979-07

98% stainless steel and 2% polyamide (nylon) flat weave metal textiles. These textiles are inherently fire retardant and comes in silver, gold, copper and black. Current applications are for window and wall coverings.



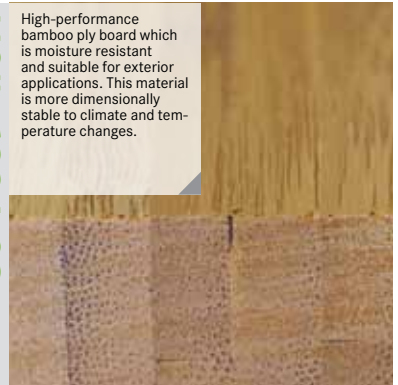
MC#: 6994-01

High-performance cross-ply bamboo panel board which is on average more dimensionally stable than hard and softwoods. These panels contain low volatile organic compound (VOC) adhesives. Applications include table and countertops.



MC#: 6994-02

High-performance bamboo ply board which is moisture resistant and suitable for exterior applications. This material is more dimensionally stable to climate and temperature changes.



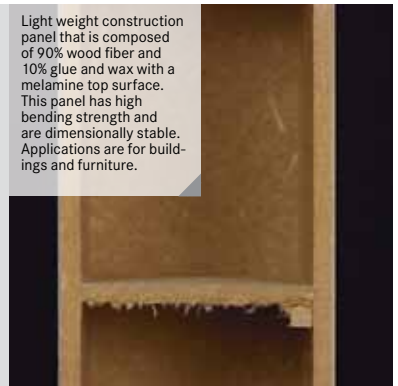
MC#: 6995-01

Light weight construction panel that is composed of 90% wood fiber and 10% glue and aluminum oxide mixture. This panel passes European fire retardant qualifications b-S2-d0 and has high bending strength and stability. Applications are for buildings and furniture.



MC#: 6995-02

Light weight construction panel that is composed of 90% wood fiber and 10% glue and wax with a melamine top surface. This panel has high bending strength and are dimensionally stable. Applications are for buildings and furniture.



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MC#: 6995-03

Light weight construction panel that is composed of 90% wood fiber and 10% glue and wax with a pre lacquered surface. This panel has high bending strength and are dimensionally stable. Applications are for buildings and furniture.



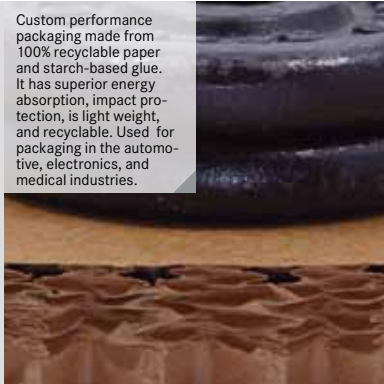
MC#: 6996-01

Tiles made from 70% soil and mineral mixture with 30% recycled glass and backed with mesh. These tiles are made through dry pressing the materials together, then glazing with a proprietary glaze, and then gloss firing the material. Applications are for wall and floor tiles.



MC#: 6997-01

Custom performance packaging made from 100% recyclable paper and starch-based glue. It has superior energy absorption, impact protection, is light weight, and recyclable. Used for packaging in the automotive, electronics, and medical industries.



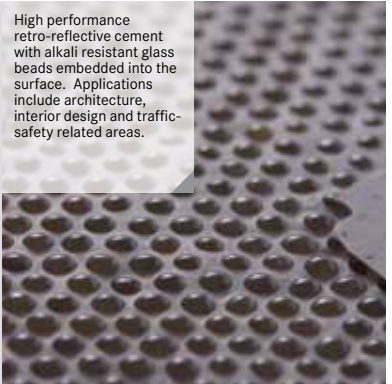
MC#: 6998-01

100% recycled polyester woven fabric. This textile comes in a variety of colors and woven structures with the ability to customize. Applications are for apparel.



MC#: 6999-01

High performance retro-reflective cement with alkali resistant glass beads embedded into the surface. Applications include architecture, interior design and traffic-safety related areas.



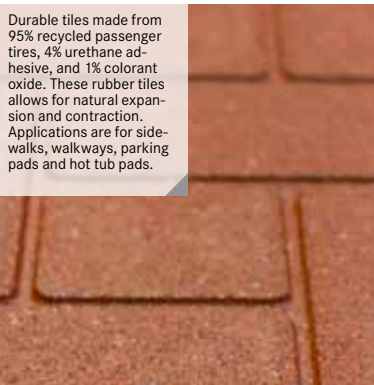
MC#: 7000-01

Starch-based compostable elastomeric bio-plastic. It is the first compostable elastomeric bio-plastic that meets U.S. and E.U. standards for compostability in an industrial facility. Used for injection molded parts, profile extrusion, extruded sheet and films.



MC#: 7001-01

Durable tiles made from 95% recycled passenger tires, 4% urethane adhesive, and 1% colorant oxide. These rubber tiles allows for natural expansion and contraction. Applications are for sidewalks, walkways, parking pads and hot tub pads.



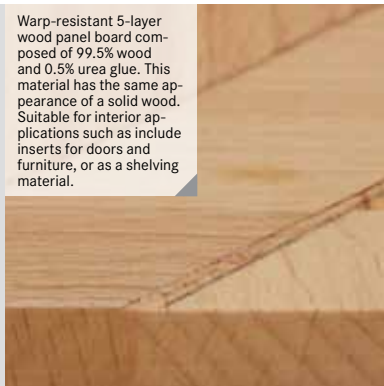
MC#: 7002-01

Process for printing on silicone parts. The printed part is abrasion resistant, sterilizable and resistant to cleaning detergents. Applications are for printing decoration and protection.



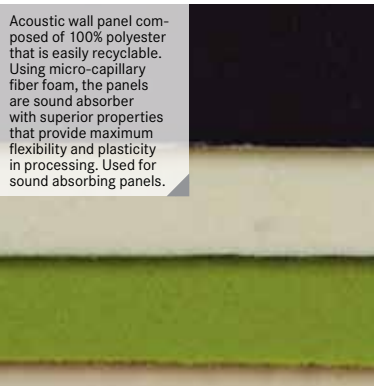
MC#: 7003-01

Warp-resistant 5-layer wood panel board composed of 99.5% wood and 0.5% urea glue. This material has the same appearance of a solid wood. Suitable for interior applications such as include inserts for doors and furniture, or as a shelving material.



MC#: 7004-01

Acoustic wall panel composed of 100% polyester that is easily recyclable. Using micro-capillary fiber foam, the panels are sound absorber with superior properties that provide maximum flexibility and plasticity in processing. Used for sound absorbing panels.



MC#: 7005-01

Pure metal coating that can be applied to any substrate, to give the appearance of actual sheet metal. Applications include marine, commercial, retail and hospitality design.



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MC#: 7006-01

Flexible mineral mixture to fill with liquid resins composed of 90% sand and 10% hot melt adhesive. It is non-flammable, slip resist, resistance to acids and bases. Applications include facades, spa bathrooms, porches, foyers, kitchens and outdoors.



MC#: 7007-01

A micro-encapsulated film which enables the user to view a static magnetic field commonly emitted by permanent magnets or dc electromagnets. Used for quality control, product demonstration and reverse engineering.



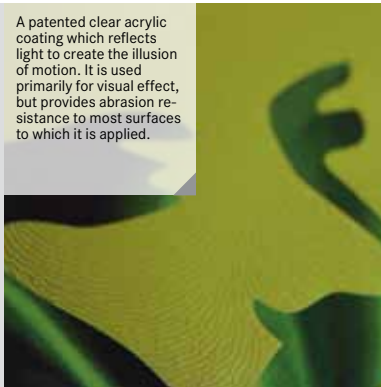
MC#: 7008-01

Handmade flat folded material that is made from 100% wool. The material is made by cutting the felt, sewn and embroidering. Applications are for curtain, door and wall structures.



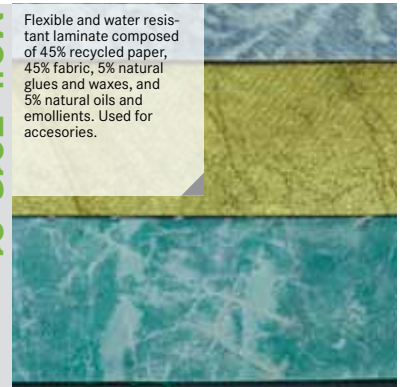
MC#: 7009-01

A patented clear acrylic coating which reflects light to create the illusion of motion. It is used primarily for visual effect, but provides abrasion resistance to most surfaces to which it is applied.



MC#: 7012-01

Flexible and water resistant laminate composed of 45% recycled paper, 45% fabric, 5% natural glues and waxes, and 5% natural oils and emollients. Used for accessories.



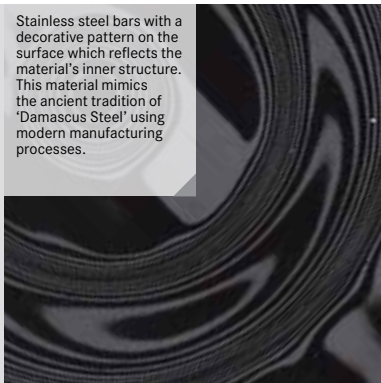
MC#: 7014-01

High strength composite panels composed of a polyurethane foam core reinforced with glass fibers and an acrylonitrile butadiene styrene (ABS) skin. This material is durable, flexible, light weight, non-stick and water resistant.



MC#: 7015-01

Stainless steel bars with a decorative pattern on the surface which reflects the material's inner structure. This material mimics the ancient tradition of 'Damascus Steel' using modern manufacturing processes.



MC#: 7016-01

Glazed decorative porcelain tiles which mimic the traditional geometric patterns of 18th century Majolica pottery. This material is resistant to abrasion, frost, stains and chemicals. Used for decorative walls and flooring in commercial and residential spaces.



MC#: 7017-01

Polymer composed of 90% polyester resin and various additives which are formulated to replicate natural materials such as horn, mother of pearl, turtle shell, coral and semi-precious stones. Applications include mosaics and decorative inserts.

