

OCTOBER 2012 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.

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 7,000+ materials onsite and online, Material Specialists and Monthly Updates on what's new.

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Cement

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MC#: 0135-07

Lightweight construction panels made of 100% cellulose fibers for sound insulation with a unique density and a homogeneous composition that protects against termites, rot and fungi and resists moisture. Applications: sound control in floors, walls and ceilings.



MC#: 2633-02

Open-cell polyurethane foam molded between a TPU (thermoplastic polyurethane) film with a polyester fabric backing. The material is durable, thin, flexible and lightweight. Applications are for protective apparel.



MC#: 3419-05

Cradle to Cradle Silver® Certified, yarn dyed, jacquard weave textile composed of Cradura™ 1, virgin wool and redesigned Lenzing FR. It is durable, has high technical performance and easy to maintain and is flame retardant. Used for upholstery.



MC#: 4709-02

100% synthetic polyisoprene rubber that has a controlled molecular structure and a lower chemical impurity level than natural rubber. It is non-allergenic, a distinct advantage over natural latex. Applications: disposable medical rubber goods.



MC#: 4800-02

Wood plastic composite with a natural, cork like appearance made from petrochemical polymers like polypropylene (PP) or polyethylene (PE) reinforced with natural fibers like hemp, flax or wood. Applications: household goods and wood profiles.



MC#: 4839-02

Polyester TGIC (triglycidyl isocyanurate)-free weather resistant powder coatings. This material uses a proprietary technology bonding process that ensures quality and color consistency during the application process. Applications: interior and exterior surfaces.



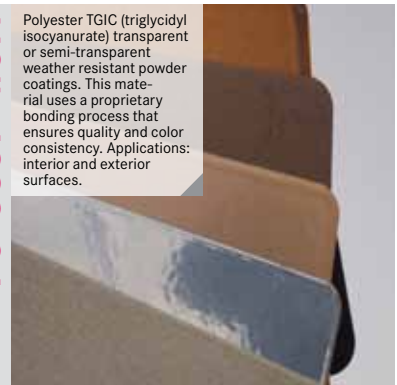
MC#: 4839-03

Polyester Super Durable TGIC (triglycidyl isocyanurate)-free weather resistant powder coatings for interior or exterior metal surfaces. It uses a proprietary technology bonding process that ensures quality and color consistency during the application process.



MC#: 4839-04

Polyester TGIC (triglycidyl isocyanurate) transparent or semi-transparent weather resistant powder coatings. This material uses a proprietary bonding process that ensures quality and color consistency. Applications: interior and exterior surfaces.



MC#: 6148-04

Highly reflective copper-free mirror for interior applications. It is durable, humidity and ferric chloride resistant, reducing occurrence of black edge corrosion. Applications: mirrors, furniture applications, projection screens, display cases, walls, ceiling and pillar covers.



MC#: 6148-05

Textured, coated glass with organic motifs for interior applications. The glass is handmade kiln-cast glass with a non-directional design.



MC#: 6148-06

Acid-etched, smudge-proof glass for interior and exterior applications. The acid is applied with a horizontal curtain giving a continuous surface. Applications: kitchens, baths, offices, partitions, staircases, doors, murals and shower enclosures.



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MC#: 6196-02

Expanded polystyrene (EPS) beads for cellular light weight concrete. This material is non-toxic, insulating, sound absorbing and can be used as an aggregate in place of sand and stone. Applications: lightweight structural and non structural components.



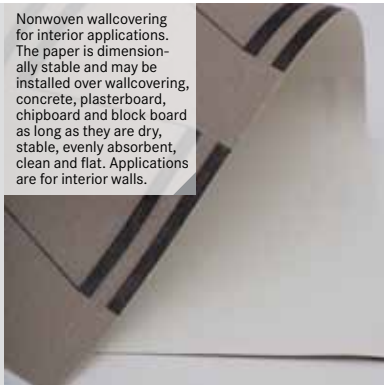
MC#: 6539-11

Handmade wallcovering composed of natural materials made from 90% newspaper with a 10% cotton backing. The material has been stitched and treated to avoid mold growth and may be applied to the wall with a water-based adhesive.



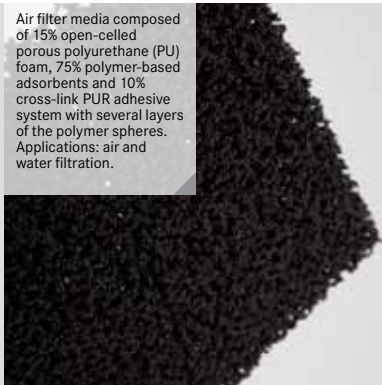
MC#: 6477-05

Nonwoven wallcovering for interior applications. The paper is dimensionally stable and may be installed over wallcovering, concrete, plasterboard, chipboard and block board as long as they are dry, stable, evenly absorbent, clean and flat. Applications are for interior walls.



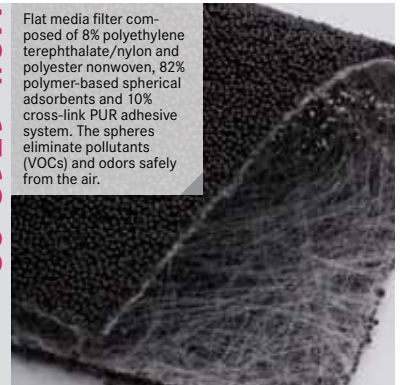
MC#: 6569-02

Air filter media composed of 15% open-celled porous polyurethane (PU) foam, 75% polymer-based adsorbents and 10% cross-link PUR adhesive system with several layers of the polymer spheres. Applications: air and water filtration.



MC#: 6569-03

Flat media filter composed of 8% polyethylene terephthalate/nylon and polyester nonwoven, 82% polymer-based spherical adsorbents and 10% cross-link PUR adhesive system. The spheres eliminate pollutants (VOCs) and odors safely from the air.



MC#: 6699-05

Handmade papers handmade from strands of salago fibers (Salago is a shrub native to Eastern Asia). Applications: hanging panel, window coverings, or divider panels for interiors spaces only.



MC#: 6699-06

Handmade textured wallcovering made from dried pineapple and kozo (mulberry) fibers. The fibers are layered with pineapple fiber to create the curved line pattern and treated with a flame retardant finish. Applications: decorative coverings for the walls.



MC#: 6942-02

Textured wallcovering made from natural stone. The micro thin slate veneer is reinforced by a flexible fiberglass resin backing. Applications: decorative coverings for walls and ceilings of convex and concave interior spaces and in exterior spaces (with a sealant).



MC#: 6942-03

Woven textile wallcovering which is highly breathable as well as mold and mildew resistant. Twill and herringbone weave fabrics of a rayon, polyester and wool blend are mounted on a recycled paper backing and treated with a stain repellent finish.



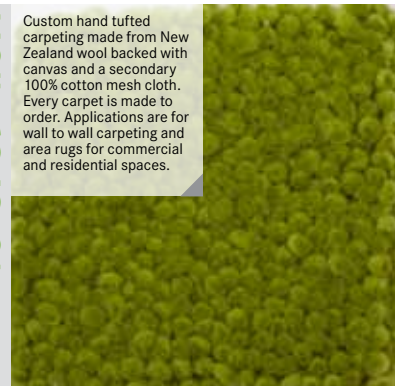
MC#: 6942-04

Handmade textured wallcovering with an aviation inspired relief pattern. A pattern of small nail heads is screen printed onto overlapping metallic papers and mounted on a non-woven backing. Applications: decorative coverings for walls and ceilings of interior spaces.



MC#: 6943-01

Custom hand tufted carpeting made from New Zealand wool backed with canvas and a secondary 100% cotton mesh cloth. Every carpet is made to order. Applications are for wall to wall carpeting and area rugs for commercial and residential spaces.



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MC#: 6943-02

Custom hand tufted carpeting made from New Zealand wool and either matte or shiny silk. Every carpet is made to order. Applications are for wall to wall carpeting and area rugs for commercial and residential spaces.



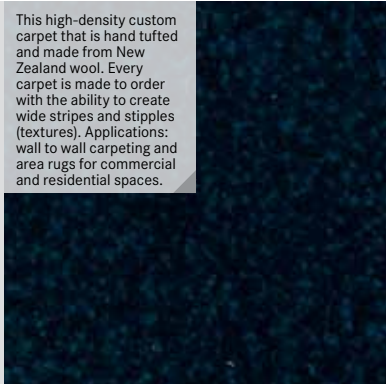
MC#: 6943-03

Custom hand tufted carpeting made from New Zealand wool and a DuPont Nylon blend (% of the blend is variable). Every carpet is made to order. Applications are for wall to wall carpeting and area rugs for commercial and residential spaces.



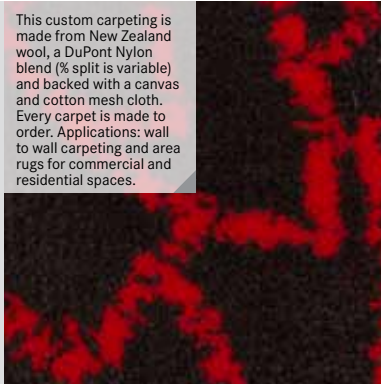
MC#: 6943-04

This high-density custom carpet that is hand tufted and made from New Zealand wool. Every carpet is made to order with the ability to create wide stripes and stipples (textures). Applications: wall to wall carpeting and area rugs for commercial and residential spaces.



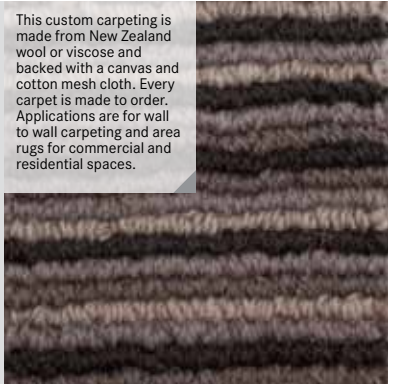
MC#: 6943-05

This custom carpeting is made from New Zealand wool, a DuPont Nylon blend (% split is variable) and backed with a canvas and cotton mesh cloth. Every carpet is made to order. Applications: wall to wall carpeting and area rugs for commercial and residential spaces.



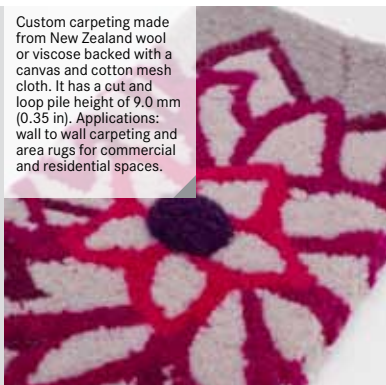
MC#: 6943-06

This custom carpeting is made from New Zealand wool or viscose and backed with a canvas and cotton mesh cloth. Every carpet is made to order. Applications are for wall to wall carpeting and area rugs for commercial and residential spaces.



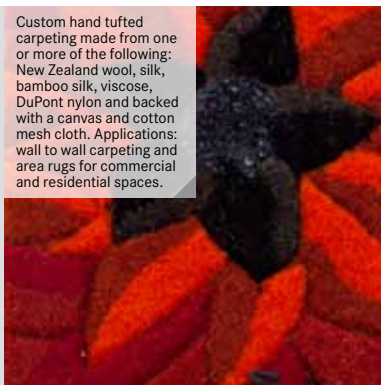
MC#: 6943-07

Custom carpeting made from New Zealand wool or viscose backed with a canvas and cotton mesh cloth. It has a cut and loop pile height of 9.0 mm (0.35 in). Applications: wall to wall carpeting and area rugs for commercial and residential spaces.



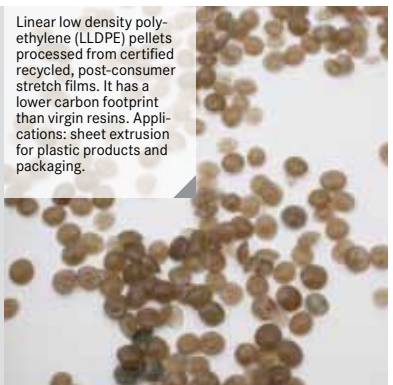
MC#: 6943-08

Custom hand tufted carpeting made from one or more of the following: New Zealand wool, silk, bamboo silk, viscose, DuPont nylon and backed with a canvas and cotton mesh cloth. Applications: wall to wall carpeting and area rugs for commercial and residential spaces.



MC#: 6952-01

Linear low density polyethylene (LLDPE) pellets processed from certified recycled, post-consumer stretch films. It has a lower carbon footprint than virgin resins. Applications: sheet extrusion for plastic products and packaging.



MC#: 6952-02

Polystyrene (PS) pellets processed from certified, post-consumer rigid material and approved for use in food contact applications. It has a lower carbon footprint than virgin resins. Applications include food packaging and containers.



MC#: 6952-03

Polypropylene (PP) pellets processed from certified, post-consumer rigid material and approved for use in food contact applications. It has a lower carbon footprint than virgin resins. Applications include food packaging and containers.



MC#: 6953-01

Clear dry-erase coating for interior and exterior surfaces. This long lasting, clear and non-yellowing coating dries to the touch in 2 hours, and is ready to use with dry-erase markers or removable decals in 8 hours.



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MC#: 6953-02

Sound reduction coating for interior surfaces which absorbs and deflects sound in the mid-range frequency spectrum. Non-toxic, it has a Class A fire rating, seals mold, mildew and lead, and is less expensive and easier to install than its competition.



MC#: 6955-01

Lumber that is protected by a proprietary topical coating that controls moisture, mold, wood-rot, termites and fire. The wood does not contain formaldehyde or hazardous chemicals and is UV protected. Applications are commercial and residential construction.



MC#: 6956-01

Wood veneer that has been laminated onto plywood and finished with seven coats of acrylic using a proprietary coating technology. The panels are scratch-, fire-, moisture-, and chemical resistant. Applications: wall paneling, furniture, cabinetry, and table tops.



MC#: 6956-02

Wood veneer that has been laminated onto a paper backing and finished with seven coats of acrylic using a proprietary coating technology. Scratch-, fire-, moisture-, and chemical resistant, applications include wall paneling, furniture, cabinetry, table tops.



MC#: 6958-01

Translucent resin panels with embedded synthetic and natural materials made from recycled glycol-modified polyethylene terephthalate (PETG) resin and between 40-100% recycled materials and can replace glass and non-translucent materials.



MC#: 6959-01

Textured wallcovering with the appearance of bamboo made from a paper backed foil. It is hand made with plaster and low or no VOCs water based acrylic paints. Applications: decorative coverings for the walls and ceilings of residential and commercial spaces.



MC#: 6960-01

Wood plastic composite panel board. This material contains zero formaldehyde and is waterproof and flame retardant. Potential applications include furniture and ceiling, floor and decorative panels for interior applications.



MC#: 6961-01

Woven tape made from polyester yarn and seven tin-plated copper strands which "float" in wavy lines along the tape to allow small amounts of elasticity. Applications: flat and flexible conductors for automotive, building industry and smart textiles.



MC#: 6962-01

Print technology and proprietary inks that can impart lettering and graphics under the PTFE (Teflon®) non-stick coating of aluminum, stainless steel or enameled steel metal substrates. Applications: cookware and bakeware, souvenirs, and branding.

