

DECEMBER 2011 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 6,500+ materials onsite and online, Material Specialists and Monthly Updates on what's new.

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Material ConneXion®

CATEGORY INDEX

Carbon	Cement
Metal	Glass
Polymer	Ceramic
Natural	Process

MC#: 1436-05

Embossed full grain Italian leather that mimics the look of stingray. This leather is embossed using a process that shows no plate lines and is offered in full hides. Applications are upholstery.



MC#: 1737-09

Synthetic paper sheets extruded from polypropylene pellets specifically engineered to accept indigo dyes. The white bright synthetic paper is made specifically for certified HP Indigo digital commercial printers. Applications are for labeling and packaging.



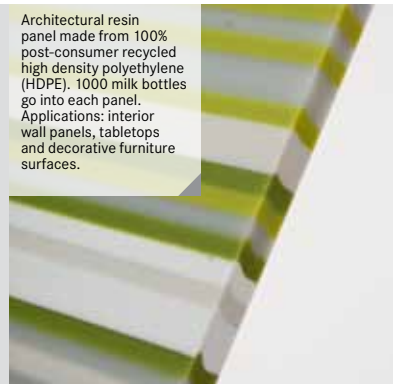
MC#: 2782-02

PVC coated polyester fabric membrane that exhibits strong resistance to weathering and has anti fungal properties as well as flame retardant properties. Used as a membrane for air tension supported architectural structures such as indoor tennis courts.



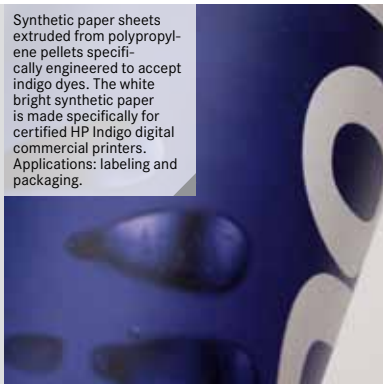
MC#: 3416-15

Architectural resin panel made from 100% post-consumer recycled high density polyethylene (HDPE). 1000 milk bottles go into each panel. Applications: interior wall panels, tabletops and decorative furniture surfaces.



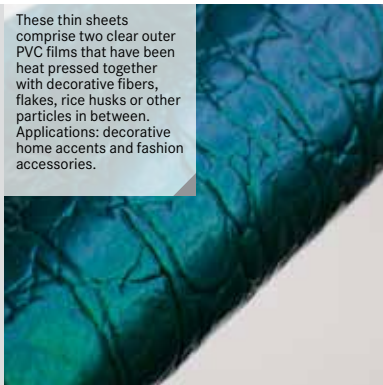
MC#: 2771-03

Synthetic paper sheets extruded from polypropylene pellets specifically engineered to accept indigo dyes. The white bright synthetic paper is made specifically for certified HP Indigo digital commercial printers. Applications: labeling and packaging.



MC#: 4877-05

These thin sheets comprise two clear outer PVC films that have been heat pressed together with decorative fibers, flakes, rice husks or other particles in between. Applications: decorative home accents and fashion accessories.



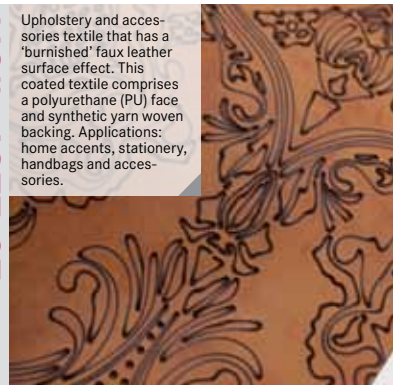
MC#: 4877-06

A flexible transparent polyvinyl chloride (PVC) film. These thin sheets comprise two clear outer PVC films that have been heat pressed together with decorative fibers, flakes, rice husks or other particles in between. Decorative home accents and fashion accessories.



MC#: 4877-07

Upholstery and accessories textile that has a 'burnished' faux leather surface effect. This coated textile comprises a polyurethane (PU) face and synthetic yarn woven backing. Applications: home accents, stationery, handbags and accessories.



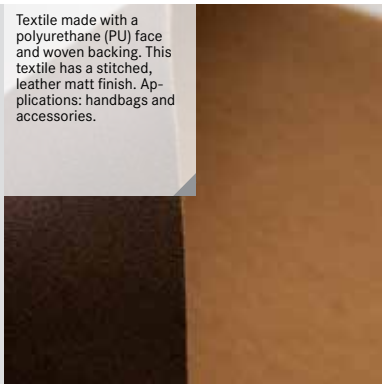
MC#: 4877-08

Coated apparel and accessories textile that has the appearance of a sand worn leather hide. This distressed look faux leather comprises a polyurethane (PU) face and woven synthetic yarn backing. Applications: stationery, handbags and accessories.



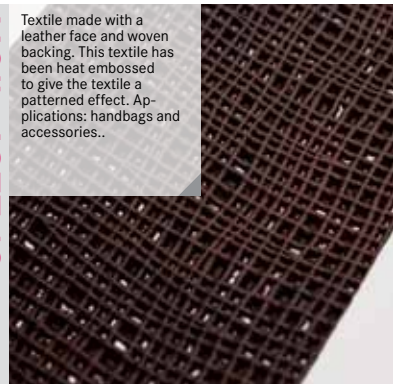
MC#: 4877-09

Textile made with a polyurethane (PU) face and woven backing. This textile has a stitched, leather matt finish. Applications: handbags and accessories.



MC#: 4877-10

Textile made with a leather face and woven backing. This textile has been heat embossed to give the textile a patterned effect. Applications: handbags and accessories.



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MC#: 4877-11

Textile made with a polyurethane (PU) face and woven backing. This textile has the appearance of authentic animal skin, with an embossed pattern and glossy finish. Applications: handbags and accessories.



MC#: 4877-12

Textile made with a thin, coated polyurethane (PU) face and woven backing. It is available in 10 color ways with a standard width of 1.4 m (55 in) and a length of 0.5 m (20 in). Applications: handbags and accessories.



MC#: 5190-13

Coated upholstery textile composed of 80% polyurethane (PU) face and 20% woven polyester backing. The fabric has a soft-touch finish, durable, lightfast, and exceeds 100,000 double rubs according to the Wyzenbeek scale. Applications: upholstery, marine and outdoor use.



MC#: 5190-14

Coated upholstery textile composed of 40% polyurethane (PU) face and 60% polyester backing. The fabric has an ultra-fine ribbed metallic sheen, durable and lightfast. Applications: upholstery, marine and outdoor use.



MC#: 5190-15

Coated upholstery textile composed of 80% polyurethane (PU) face and 20% rayon backing. The fabric has a fine-scale embossed weave texture, lightfast. Applications: upholstery.



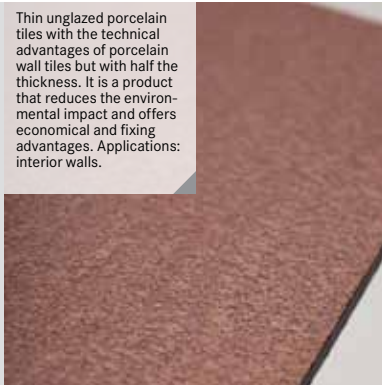
MC#: 5190-16

Coated upholstery textile composed of 60% polyurethane (PU) face and 40% polyester backing. The fabric has a debossed diamond pattern, durable, lightfast. Applications: upholstery, marine and outdoor use.



MC#: 5625-05

Thin unglazed porcelain tiles with the technical advantages of porcelain wall tiles but with half the thickness. It is a product that reduces the environmental impact and offers economical and fixing advantages. Applications: interior walls.



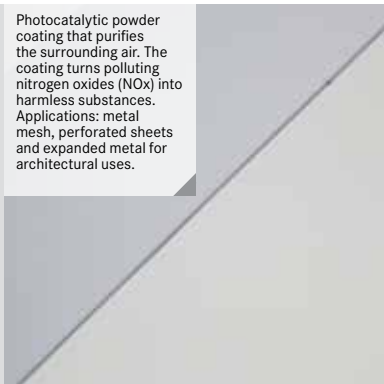
MC#: 6472-07

High strength structural reinforcement foam products intended to enhance the structural integrity and mechanical strength of various architectural, automotive and industrial components. Used to reinforce, frame rails, body cavities or body panels.



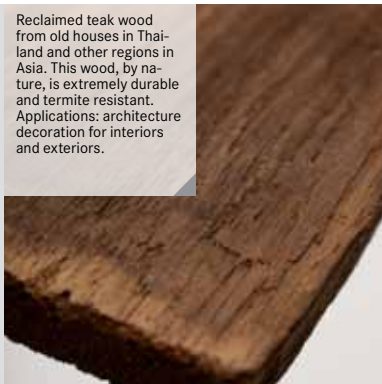
MC#: 6667-03

Photocatalytic powder coating that purifies the surrounding air. The coating turns polluting nitrogen oxides (NOx) into harmless substances. Applications: metal mesh, perforated sheets and expanded metal for architectural uses.



MC#: 6843-02

Reclaimed teak wood from old houses in Thailand and other regions in Asia. This wood, by nature, is extremely durable and termite resistant. Applications: architecture decoration for interiors and exteriors.



MC#: 6845-01

100% recycled rubber pellets made from passenger and truck tires. This material is a colorful, clean alternative to traditional playground surfaces, with good drainage, color-fast, abrasion resistant with a durable and a esthetic appearance. Applications: playgrounds.



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Cement

Metal

Glass

Polymer

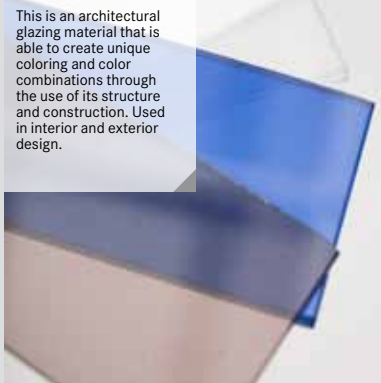
Ceramic

Natural

Process

MC#: 6851-01

This is an architectural glazing material that is able to create unique coloring and color combinations through the use of its structure and construction. Used in interior and exterior design.



MC#: 6852-01

This is a thermal process for coating materials such as plastics, metals and ceramics with another protective pliable plastic. In this process a mandrel (mold) is plastic coated with PVC plastisol. It is commonly used to create handles or grips for various tools.



MC#: 6853-01

100% polypropylene self-reinforcing polymer (SRP) composite material, that is fully recyclable. It is created through a hybrid tape welding and coextrusion process. This material has been used for construction, automotive, as well as the fabrication of products.



MC#: 6854-01

Multilayer plywood substrate flooring that has been impregnated with formaldehyde-free acrylic. Applications: flooring.



MC#: 6855-01

Flexible, non-toxic waterproofing cement based coating that protects against the positive and negative pressures in concrete, masonry, blocks, pre-fabricated panels and brick. Used for water tanks and pools.



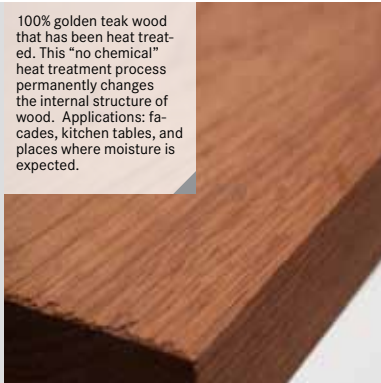
MC#: 6855-02

Portland cement based color coating with added anti-fungal properties. This coating is non-toxic, UV and moisture resistant, hydrophobic, will not chip or crack, and has a Microban® resistance to moss and black mold. Used for retaining walls, foundations and curbs.



MC#: 6856-01

100% golden teak wood that has been heat treated. This "no chemical" heat treatment process permanently changes the internal structure of wood. Applications: facades, kitchen tables, and places where moisture is expected.



MC#: 6856-02

Engineered oak wood flooring with an anti-termite core. It consists of four major layers that are hot pressed together: A UV acrylic lacquer top coat an 'A' grade veneer, six layers of hardwood that have a anti-termite treatment & a tongue & groove system.



MC#: 6857-01

Antimicrobial silver particulate agent that can be incorporated into a variety of different materials, textiles, cosmetic products, and paints. It has antibiotic properties that eliminate the presence of various harmful pathogens such as bacteria & microbes.



MC#: 6858-01

Nanodiamonds are extremely small (nano-micron scale) versions of their larger carbon based diamond counterparts and therefore possess the same material properties and characteristics.



MC#: 6859-01

A 40-nanometer thick photocatalysis coating (known as UV-PCO) coating technology that can be applied to the surfaces of materials in order to give the material 'self cleaning' properties.



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MC#: 6860-01

Conductive rubber is a type of rubber that can conduct electricity. It is made from synthetic silicone rubber with integrated metal spheres or conductive carbon particles in its composition. Uses: bendy, electrically charged aircraft wings and artificial muscles.

