

APRIL 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.

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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Material ConneXion®

CATEGORY INDEX

Carbon

Cement

Metal

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Polymer

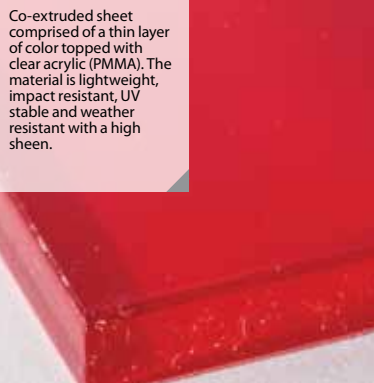
Ceramic

Natural

Process

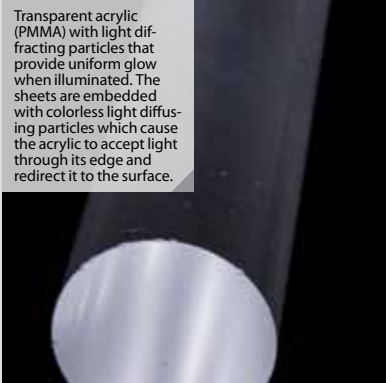
MC#: 0027-13

Co-extruded sheet comprised of a thin layer of color topped with clear acrylic (PMMA). The material is lightweight, impact resistant, UV stable and weather resistant with a high sheen.



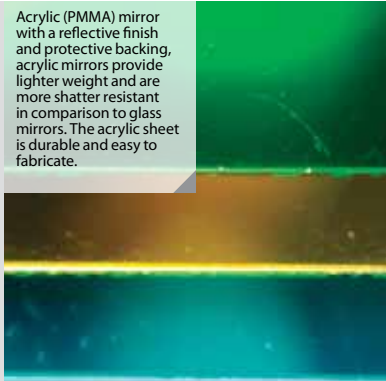
MC#: 0027-14

Transparent acrylic (PMMA) with light diffracting particles that provide uniform glow when illuminated. The sheets are embedded with colorless light diffusing particles which cause the acrylic to accept light through its edge and redirect it to the surface.



MC#: 0027-15

Acrylic (PMMA) mirror with a reflective finish and protective backing, acrylic mirrors provide lighter weight and are more shatter resistant in comparison to glass mirrors. The acrylic sheet is durable and easy to fabricate.



MC#: 0027-16

Matte-finished textured acrylic sheet with a soft touch surface. A frosted finish can be applied to the entire surface of the front or both sides of the sheet offering excellent light diffusion. Applications include indoor or outdoor lit displays, panels and store fixtures.



MC#: 0047-06

European aniline-dyed silky suede with selected areas receiving a heat transfer gloss finish in a pinstripe pattern. Light is alternatively absorbed into the naturally matt suede and reflected from the gloss stripes for tone-on-tone visual spaces.



MC#: 0047-07

European full grain vegetable-tanned and aniline-dyed cowhide with a hand-antique finish. This material is embossed with the grain of stingray leather, offering the same look without the size limitations of genuine stingray hides, and wall coverings.



MC#: 0047-08

European full grain and aniline dyed cowhide with a groove texture. This material can be finished with a glossy curtain coating or embossed with the groove pattern to create various degrees of light absorption and reflection.



MC#: 0047-09

European hair-on cowhide which can be colored, printed, or dyed for a mélange effect. The hides can also be embossed in ribbed lines or to mimic ostrich leather. Applications include wall panels and upholstery for interior environments.



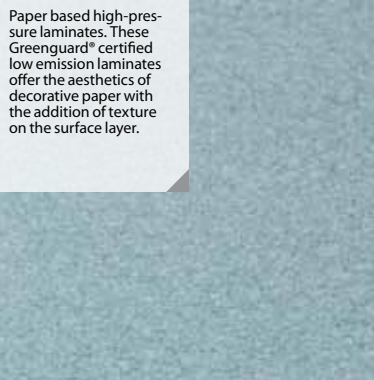
MC#: 0047-10

European aniline-dyed silky suede and cowhides with embossed or engraved patterns. Patterns such as Moire and Damask are roller embossed onto the leathers and can be finished with a hand antique effect.



MC#: 0088-02

Paper based high-pressure laminates. These Greenguard® certified low emission laminates offer the aesthetics of decorative paper with the addition of texture on the surface layer.



MC#: 2567-09

Lightweight, reinforced fabric composed of high-tenacity polyester with a coating of polyvinyl chloride (PVC) on both sides, one side is a soft touch top coat for a smooth and matte finish, the other a protective varnish.



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MC#: 2567-10

Durable, UV protective, dimensionally stable, and easy to clean acrylic fabric with a water resistant polyurethane undercoating. A proprietary finish containing a photoactive ingredient, TiO₂, is applied to the textile to enable sunlight and rain to 'clean' the textile.



MC#: 2567-11

Durable woven textile composed of Sunbrella® acrylic fibers with a stain resistant finish. This perfluorooctanyl sulfonate (PFOS) free material is colorfast, easy to clean, breathable, dimensionally stable, resistant to water, mold and mildew.



MC#: 2567-12

Indoor flame-retardant fabrics composed of Sunbrella® acrylic with or without Sunbrella® polyester. These materials are anti-microbial, anti-fungal, dimensionally stable, durable, easy to clean, machine washable, and resistant to abrasion, stains, UV light and water.



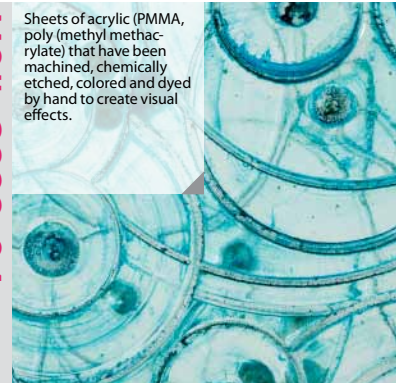
MC#: 2567-13

Black-out fabric composed of flame retardant polyester (PES) coated and flocked with polyacrylonitrile (PAN). This material is dimensionally stable, durable, easy to clean, flame retardant, machine washable and UV resistant.



MC#: 2999-04

Sheets of acrylic (PMMA, poly (methyl methacrylate) that have been machined, chemically etched, colored and dyed by hand to create visual effects.



MC#: 2999-03

Glass with embedded photo-luminescent powder and micro-etched metal shapes. The combination of heat and chemical reaction between the mixtures of components creates unique aesthetics.



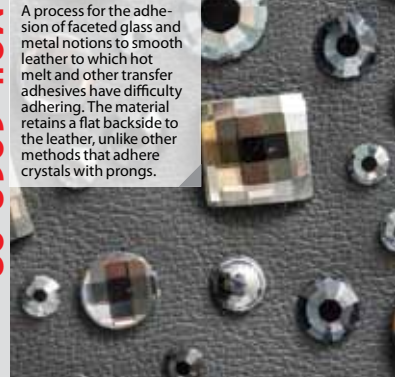
MC#: 5603-02

Lightweight ceramic surfacing slab that displays improved durability and break resistance. This ceramic is unglazed, but the surface is still nonporous; this creates strong resistance to chemicals, UV rays, scratches, fire, and paint.



MC#: 6068-09

A process for the adhesion of faceted glass and metal notions to smooth leather to which hot melt and other transfer adhesives have difficulty adhering. The material retains a flat backside to the leather, unlike other methods that adhere crystals with prongs.



MC#: 6142-07

A slitting or perforating technology for sealed seams of polymer films that make the seams easy to tear across. The continuous "scarring" of the film along the entire seam allows for easy opening at any point.



MC#: 6908-16

Silk organza hand-painted with a graphite pigment together in an offset print of glass particles to create a double "shadow" effect. The base fabric has a maximum width of 135 cm (53 in) and custom lengths depending on project.



MC#: 6908-17

Printed textured fabric composed of silk organza with a polyamide/elastane backing. The silk fabric is adhered to the backing creating a raised pattern with a puckered or quilted look (cloque).



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MC#: 6908-20

Double-sided, shiny satin or 'duchesse' hand printed with natural sand. The base fabric has a maximum width of 145 cm (57 in) and custom lengths depending on project. Applications are for fashion and interior design.



MC#: 6926-02

A bio-based rigid polyurethane (PU) foam made with castor oil. This foam is made with vegetable polyols, a methylene based resin (MDI), and water as the blowing agent.



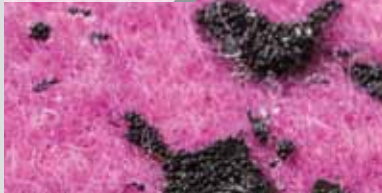
MC#: 7027-07

Translucent acrylic PMMA (poly(methyl methacrylate)) with a plain, metallic weave inlay with iridescent color shift. All sheets are hand-made and then treated with high heat and pressure in an auto-clave to remove bubbles.



MC#: 6908-18

Wool felted textile with hand-printed black glass. The base fabric has a maximum width of 150 cm (59 in) and custom lengths depending on project. Applications are for fashion and interior design.



MC#: 6908-21

Handmade two-colored silk viscose with a 'burn-out' velvet pattern or devoré. The base fabric has a maximum width of 135 cm (53 in) and custom lengths depending on project. Applications are for fashion and interior design.



MC#: 6908-19

Light, plain woven sheer fabric composed of 100% polyester. This fabric is handprinted with white corundum 'sand' in an organic pattern of lines. Applications are for fashion, costume and interior design.



MC#: 6908-22

Black silk tulle combined with natural sisal fibers and a flocked surface finish. The base fabric has a maximum width of 1 x 5 m (3.3 x 16.4 ft) and custom lengths depending on project. Applications are for fashion and interior design.



MC#: 7027-05

Translucent acrylic PMMA (polymethyl methacrylate) with a plain weave, metallic mesh fringe inlay embedded to create an undulating pattern. The material is UV- and weather-resistant. Applications are for panels in architecture, furniture and store design.



MC#: 7027-06

Translucent acrylic PMMA (polymethyl methacrylate) with a plain woven metallic inlay embedded to create an undulating pattern. The different colored yarns in the warp and weft filament create a color shift, when viewed from multiple angles.



MC#: 7027-08

Translucent acrylic PMMA (polymethyl methacrylate) with layers of fine plain woven metallic inlay embedded to create an undulating and shadow pattern.



MC#: 7028-02

Lightweight cardboard material made from 100% recyclable paper which exhibits high impact, stacking and abrasion resistance.



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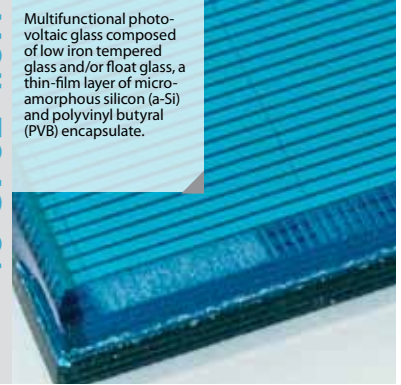
MC#: 7041-01

Polymer master-batch loaded with nano silver particles for anti-bacterial properties. The nano silver does not use a carrier system, which preserves the fine particle size of the nano silver and allows for the production of very small products.



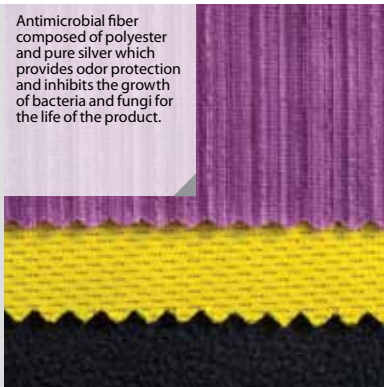
MC#: 7042-01

Multifunctional photo-voltaic glass composed of low iron tempered glass and/or float glass, a thin-film layer of micro-amorphous silicon (a-Si) and polyvinyl butyral (PVB) encapsulate.



MC#: 7043-01

Antimicrobial fiber composed of polyester and pure silver which provides odor protection and inhibits the growth of bacteria and fungi for the life of the product.



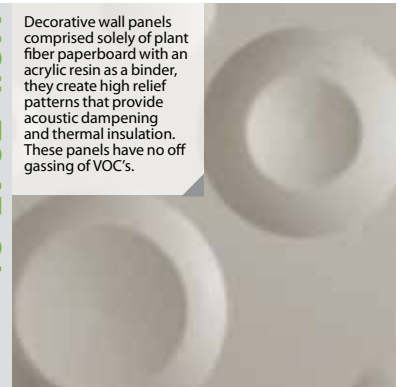
MC#: 7044-01

Textured vinyl tiles made with recycled content and low VOC emitting materials that are highly resistant to wear, stains, and chemicals. Increased durability is created through the combination of five layers of material.



MC#: 7045-01

Decorative wall panels comprised solely of plant fiber paperboard with an acrylic resin as a binder, they create high relief patterns that provide acoustic dampening and thermal insulation. These panels have no off gassing of VOC's.



MC#: 7046-01

Decorative tiles comprised of natural coconut on a ceramic base. The addition of the tile backing allows for wider application and increased durability of the coconut shell finish.



MC#: 7046-02

Ceramic tiles with a glazed faux gold finish, with a tone on tone damask pattern created through surface texture variation. The texture of the tile face creates sections of matte and gloss finish once sprayed with the metallic glaze.



MC#: 7047-01

Leather made from the skin of salmon fish. This material uses the skin of salmon left over from the food industry to create a new source for leather. Applications include fashion apparel, accessories, shoes, furniture, and interior design.



MC#: 7048-01

A master-batch additive that adds biodegradable properties to common polymers. The incorporation of this additive will cause the finished plastic product to breakdown in a both aerobic and anaerobic environments.

