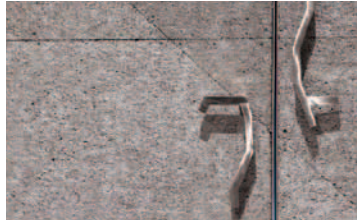
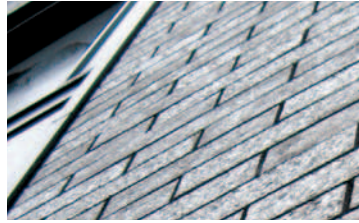
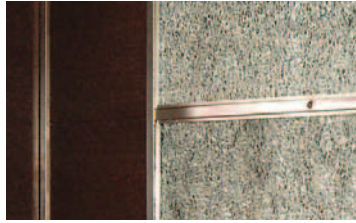
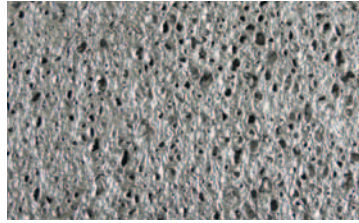
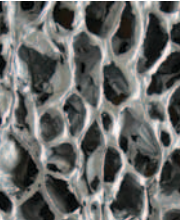


ERJONTM



About Alusion™ pg.1

Alusion Products..... pg.3

Applications

- Ceiling..... pg.4
- Cladding pg.6
- Retail pg.10
- Environmental pg.14

Material Specifications..... pg.16

Contact Us..... pg.17



ABOUT ALUSION™

Alusion™ Stabilized Aluminum Foam (SAF) offers designers and architects a unique and visually stunning surface material that is more than skin deep. Alusion™ SAF provides beauty, strength, light-weight acoustical solutions for a variety of creative opportunities.

You can relax at the Crumbs Café while LED lights dance along the pores of the metallic surface. Listen clearly to the presenters at the Meydenbauer Centre. Stand on it while admiring a new Audi, and be greeted in the main lobby at the new Vancouver Convention Centre (VCC) by a stunning wall made from our unique material Alusion™. The applications are endless.

Manufactured by Cymat Technologies Ltd. of Mississauga, Ontario, Canada, Alusion™ SAF is made by injecting air into molten aluminum, which contains a fine dispersion of ceramic particles. These particles stabilize the bubbles formed by the air, much like dry cocoa powder stabilizes bubbles when it is added to milk. The material can be made with up to 20% recycled material, is 100% recyclable and is manufactured in a number of versions.

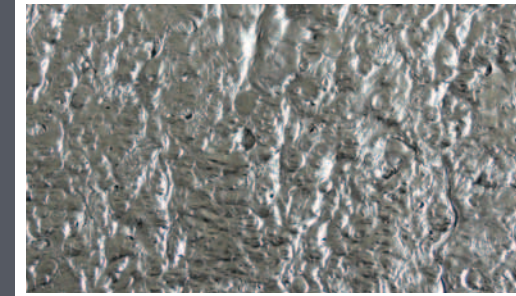
Alusion™ is available in both a small-cell and a large-cell version, with either a natural finish or with open cells visible on one or both surfaces. Thicknesses available are 12.7mm (0.5”), 25.4mm (1.0”) and 43.2mm (1.7”). The large-cell version with both sides open, offers users a translucent material with an extraordinary texture.

From the 43.2mm thick version of large-cell Alusion™ chosen for the wall at the VCC, to the small-cell version selected by Audi as an underpad surface, Alusion™ SAF truly gives a unique design element to any project.

Enhance your premium design projects

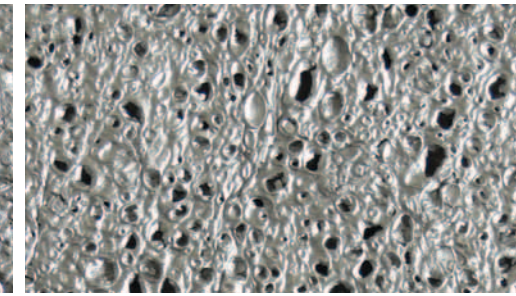
Alusion™ – the various versions of our stabilized aluminum foam can be used for external and internal panels as well as a myriad of other applications. Panels are available in three standard thicknesses of 12.7mm (0.5”), 25.4mm (1”) and 43.2mm (1.7”) and two densities small cell (X%) and large cell (Y%). The higher the density, the smaller the cell size, the heavier and more robust the material is.

There are five basic versions of Alusion™:



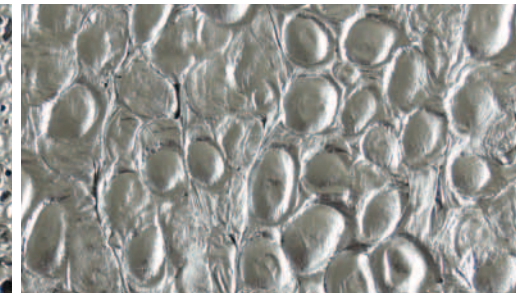
Alusion™ Small Cell – Natural

This is the surface that is created naturally on our higher density materials from our panel line production. This version features a shiny, shimmering silver skin with a unique waved pattern on the surface.



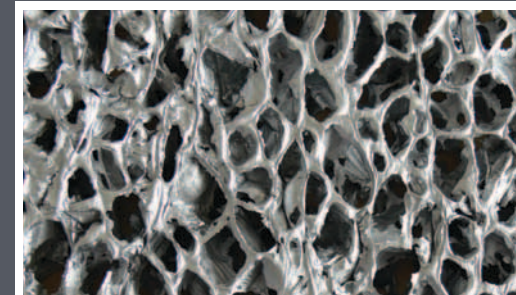
Alusion™ Small Cell – Open One Side

Created by removing the surface on one side through a special blasting process, cells below the skin are exposed. This surface consists of a series of small open areas and swirling solid areas that mingle together to create an appearance described as similar to the surface of the moon or a frozen porous lava flow.



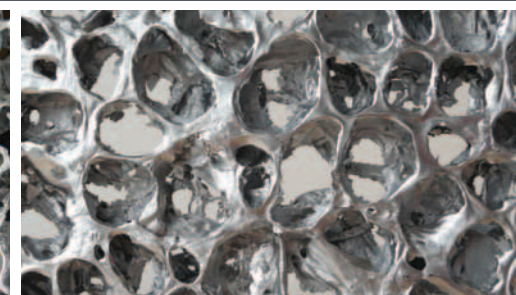
Alusion™ Large Cell Natural

Features a striking large “frozen molten bubble” look on the top surface. Due to the delicate nature of its surface, this material is particularly designed for interior applications. With force the bubbles can be collapsed so it is recommended that this material be out of the reach of the public or otherwise protected (IE glass covered).



Alusion™ Large Cell – Open One Side

The shiny silver skin of the large cell is removed and the cells underneath are exposed. This creates a surface that has been described as appearing like an “aluminum sponge”. This is a low density material resulting in large, deep open cells. This version with a closed back is best for sound absorption.



Alusion™ Large Cell – Open Both Sides (Translucent)

The shiny silver skin on both sides of this low density material is removed to create a translucent panel. This panel is extremely lightweight and allows light to pass through. All Alusion™ panels are highly reflective, however the bottom of this panel may be even more than others; sharply reflecting light and even picking up the colour of well lit material at a reflective angle to the panel.

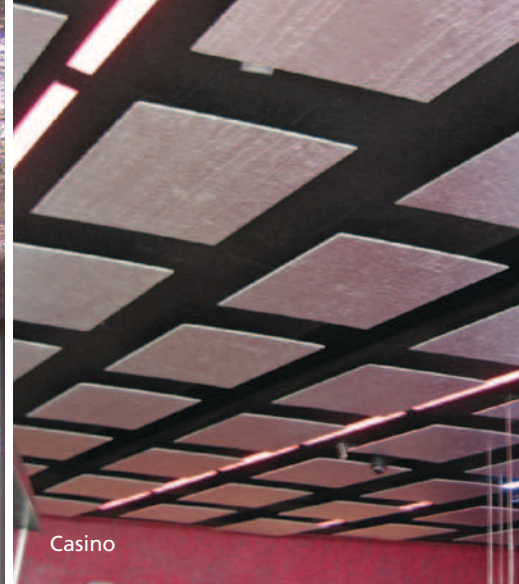
Alusion™ SAF has been used in the following applications:

- Wall Cladding
- Showroom Displays
- Restaurants and Bars
- Offices and Apartment Buildings
- Ceiling Tiles
- Flooring
- Signs
- Lighting
- Fixtures
- Exhibits

View how some of our clients have used Alusion™ SAF with amazing results >



Cafe Baluarte



Casino



Casino



Lobby and Reception Area



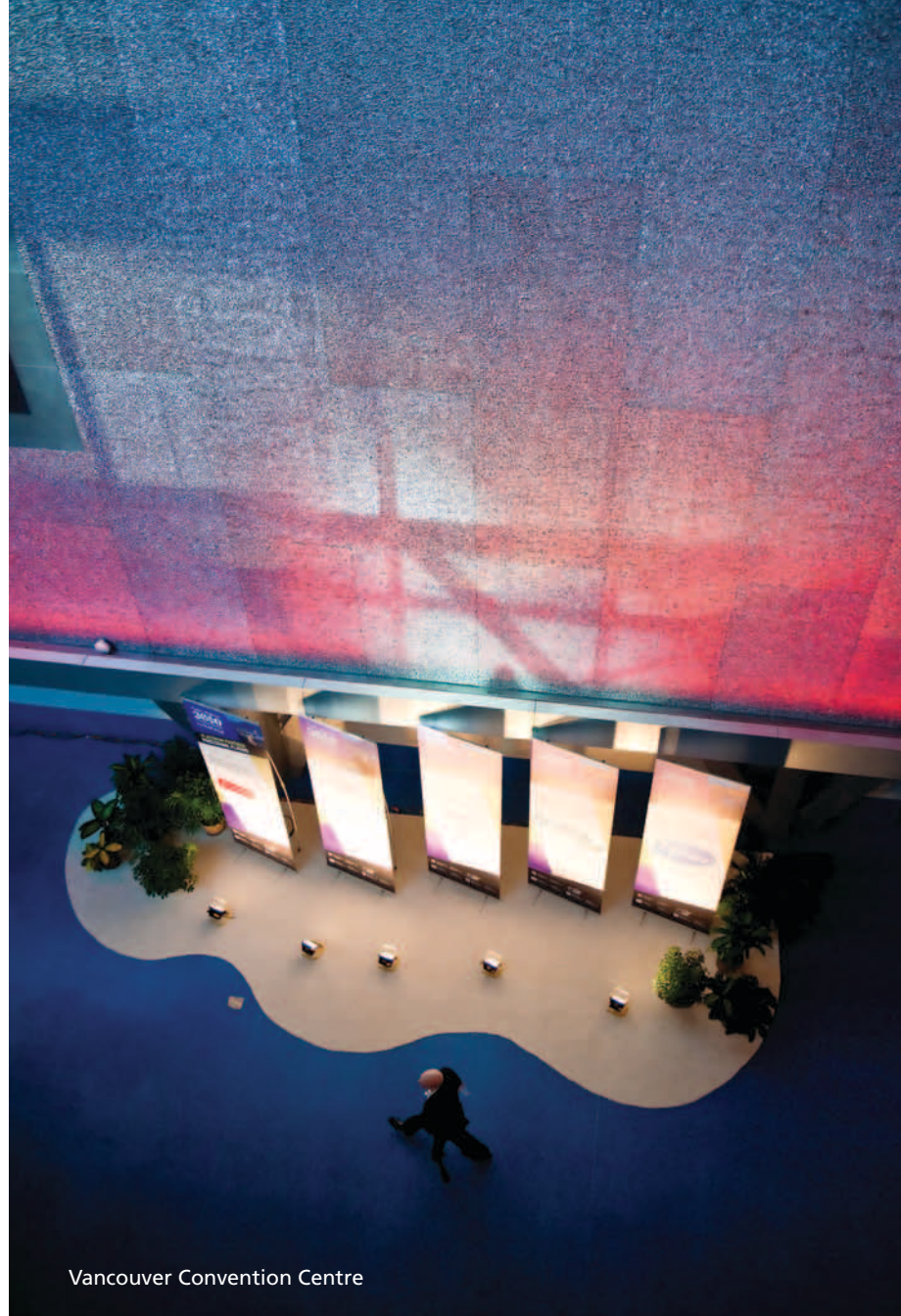
Lobby and Reception Area



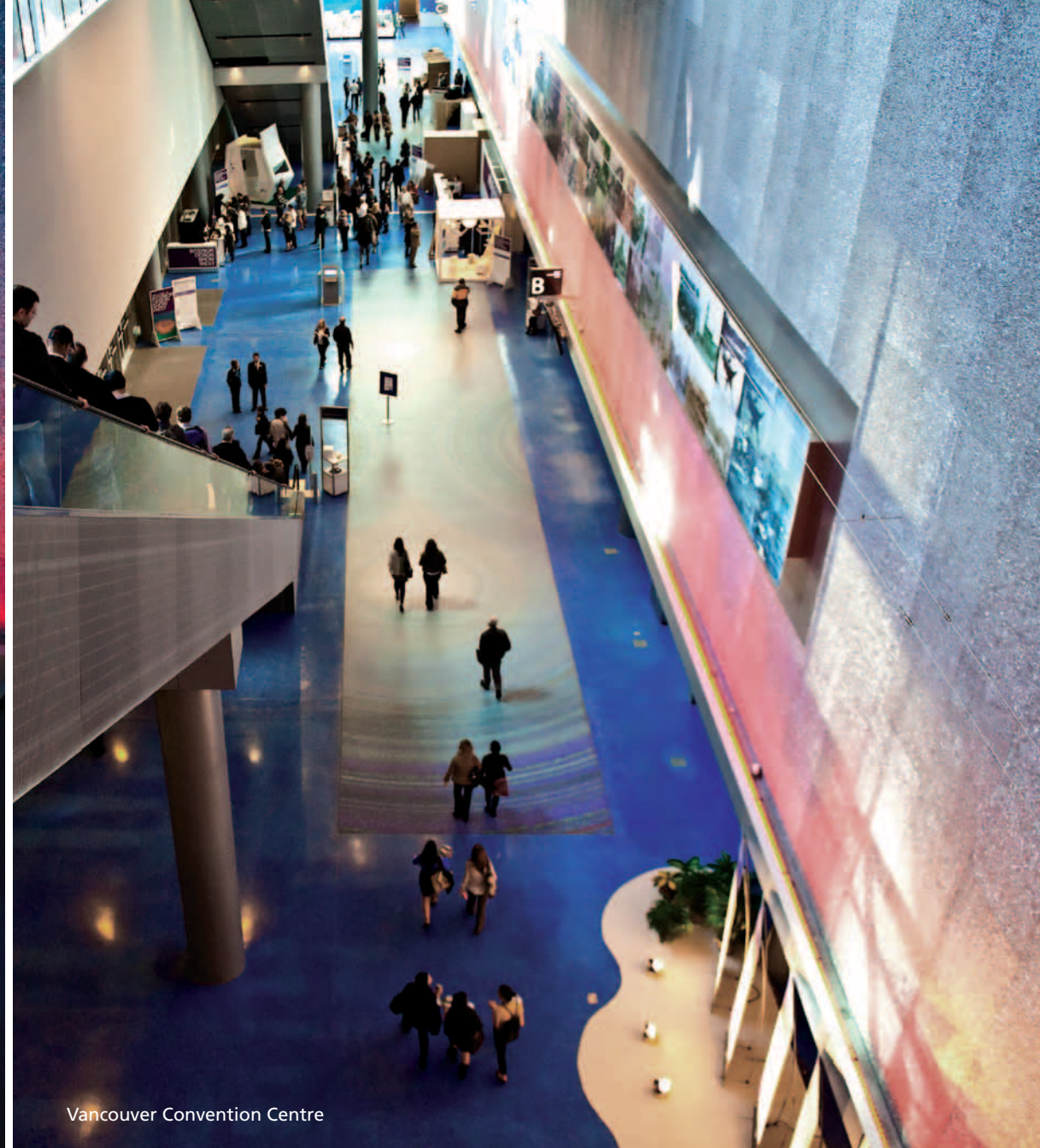
Vancouver Convention Centre



Vancouver Convention Centre



Vancouver Convention Centre



Vancouver Convention Centre



Meydenbauer Centre



Vanke Centre



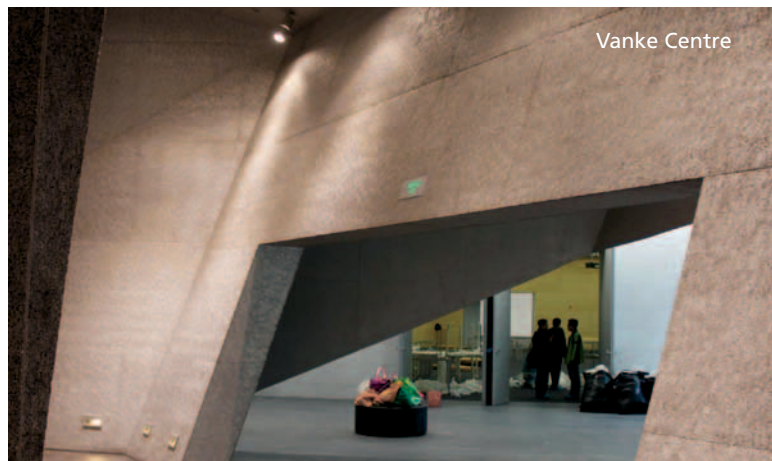
Vanke Centre



Catalonia Church



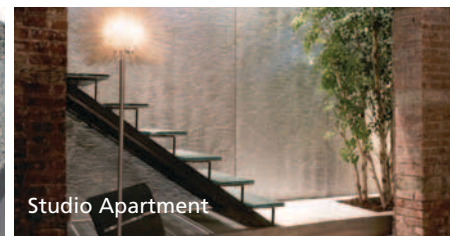
Lake Geneva Centre



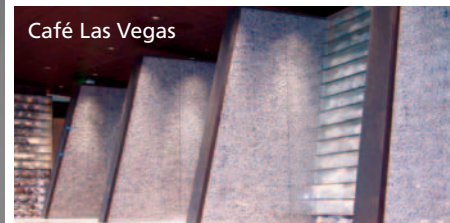
Vanke Centre



Lake Geneva Centre



Studio Apartment



Café Las Vegas



Vanke Centre



Meydenbauer Centre



Meydenbauer Centre



Crumbs Café



Crumbs Café



Café Baluarte



Absolut Bar



Absolut Bar



DGG Light Bar



Surrey Bookstore



Surrey Bookstore



Fashion Store



Theory Fashion Store



Theory Fashion Store



9/11 Memorial NY



Audi Display



Audi Display



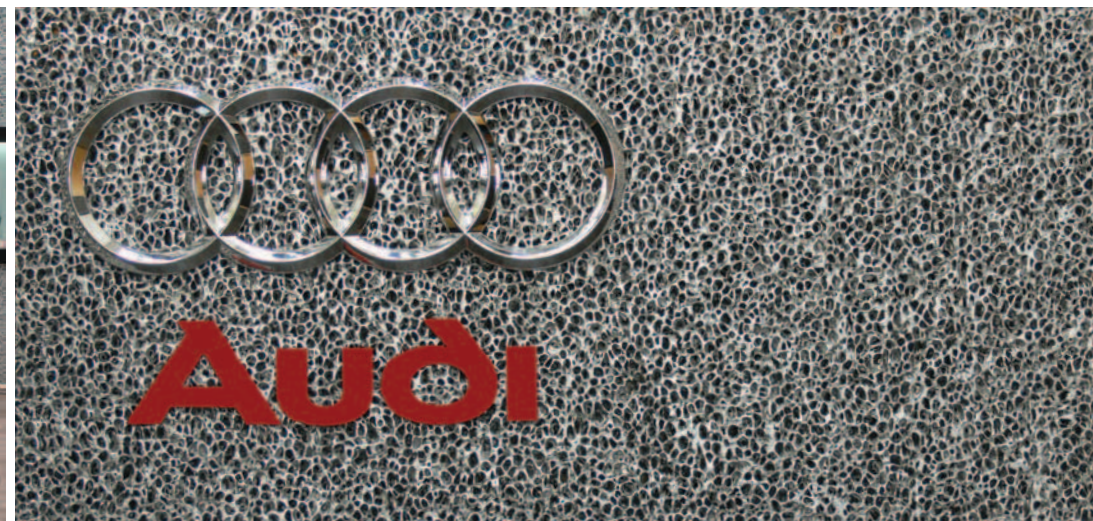
Daisye Company Ltd.



LG Store



LG Store



A. American Society of Civil Engineers (ASCE):

1. ASCE 7- Minimum Design Loads for Buildings and Other Structures

B. ASTM International (ASTM):

1. ASTM B 557 - Standard Test Methods for Tension Testing Wrought and Cast Aluminum- and Magnesium-Alloy Products
2. ASTM E 9 - Standard Test Methods of Compression Testing of Metallic Materials at Room Temperature
3. ASTM E 72 - Standard Test Methods of Conducting Strength Tests of Panels for Building Construction
4. ASTM E 84 - Standard Method of Test for Surface Burning Characteristics of Building Materials
5. ASTM G 21 - Standard Practice for Determining Resistance of Synthetic Polymeric Materials to Fungi

C. Material Characteristics (Skins both sides):

1. Standard Size: 4 feet by 8 feet (1220 mm by 2440 mm)
2. Fire Rating (ASTM E 84): Class A with Flame Spread = 0 and Smoke Developed = 20
3. Fungus Formation (ASTM G 21): 0 Rating, no growth after 28 days
4. Density (+/-0.055 g/cc):
 - a. 0.5 Large: 0.28
 - b. 0.5 Small: 0.52
 - c. 1.0 Large: 0.17
 - d. 1.0 Small: 0.41
 - e. 1.7 Large: 0.14
5. Mechanical Properties (0.5 small cell):
 - a. Tensile Strength (ASTM B 557): 190 psi (1310 KPa)
 - b. Compression at Yield (Modified Procedure Based on ASTM E 9): 2000 lbf (0.9 MPa)
 - c. Transverse Load (ASTM E 72, Section 11): 10.7 psf (513 Pa)

For additional Technical Information, please visit www.alusion.com/techspecs.html

Alusion™ Distributors:

STONE SOURCE - New York
 P: +1 212 979 6400
 E: NYSamples@stonesource.com
 www.stonesource.com
 Territory: NY, NJ, CT

STONE SOURCE - BOSTON
 P: +1 617 671 0900
 E: BostonSamples@stonesource.com
 www.stonesource.com
 Territory: RI, MA, VT

STONE SOURCE - CHICAGO
 P: +1 312 335 9900
 E: ChicagoSamples@stonesource.com
 www.stonesource.com
 Territory: MO, IL, KS, TX

STONE SOURCE - LOS ANGELES
 P: +1 213 880 1155
 E: LASamples@stonesource.com
 www.stonesource.com
 Territory: AZ, Southern California

STONE SOURCE - WASHINGTON,DC
 P: +1 202 265 5900
 E: DCSamples@stonesource.com
 www.stonesource.com
 Territory: Washington DC, MD, VA, NC

Décor Systems
 Contact: Mitchell Faulkes
 P: +02 9748 1800
 E: info@decorsystems.com.au
 www.decorsystems.com.au
 Territory: Australia

Jofebar
 P: +351 229 996 311
 E: diogo.matos@jofebar.com
 www.jofebar.com
 Territory: Spain, Portugal

Legnopan S.P.A.
 P: +39 0445 390367
 E: matteazzi.f@legnopan.com
 www.legnopan.com
 Territory: Italy

Metallpfister
 P: +41 44 807 1000
 E: tp@metallpfister.ch
 www.metallpfister.ch
 Territory: Switzerland

Freund GmbH -Material für Ideen
 P: +49 0 30 306923 41
 E: nina.freund@freundgmbh.com
 www.freundgmbh.com
 Territory: Germany and Austria

Alusion™ Agents:

Daisye Company Limited
 P: +886 7 7880076
 E: sam@daisye.com.tw
 www.daisye.com.tw
 Territory: Taiwan, Republic of China, Hong Kong

DEN-2 BV
 P: +31 348 43 7711
 E: info@den 2.nl
 www.den q.nl
 Territory: Belgium, Netherlands, Luxembourg

Interra Architectural Products
 P: +1 206 226 2311
 E: dave@interracorp.com
 www.interracorp.com
 Territory: Vancouver, Washington, Oregon

M.F. Murray Companies
 P: +1 415 468 8448
 E: michael@mfmurrayco.com
 www.mfmurrayco.com
 Territory: Northern California

Vitto Corp.
 P: +81 90 6511 5482
 E: info@vitto.jp
 Territory: Japan

WJ. Coe & Company
 P: +1 405 607 4271
 E: john@wjcoe.com
 www.wjcoe.com
 Territory: Oklahoma

EBP, LLC
 E: mherbst@wmhconsulting.com
 www.ebpmn.com
 Territory: Minneapolis, North Dakota, South Dakota, Wisconsin

PLUS AND MORE
 P: + 04 74 56 72 31
 E: john@plusandmore.fr
 www.plusandmore.fr
 Territory: France

Facadesign, llc
 P:+1 720 842 2830
 E: fbredow@facadesign.us
 www.facadesign.us
 Territory: Colorado

Technical Supplies and Services Co. LTD
 E: dellapenna@tsscuae.com
 www.tsscuae.com
 Territory: Saudi Arabi, Kuwait, Bahrain, Qatar, United Arab Emirates, Oman, Republic of Yemen, Iraq, Iran, Afghanistan

Universal Metaltek
 P: +91 98733 20 778
 E: shivam@universalmetaltek.com
 www.universalmetaltek.com
 Territory: INDIA

Architectural Metal Solutions
 P: 786 406 7472
 E: Bryan@ArchMetalSolutions.com
 www.ArchMetalSolutions.com
 Territory: SE US & the Caribbean

Oy Master Interiors Ltd.
 P: +358 40 5135543
 E: klas@masterinteriors.fi
 www.masterinteriors.fi
 Territory: Finland

For sales in other regions contact Alusion™ Head Office.

CYMAT Technologies Ltd.
 6320-2 Danville Rd.
 Mississauga, Ontario L5T 2L7 Canada
 T: +1 905.696.9900
 E: sales@alusion.com

ALUSIONTM

CYMAT Technologies Ltd.
6320-2 Danville Rd.
Mississauga, Ontario L5T 2L7
Canada

T: +1 905.696.9900
F: +1 905.696.9300

For technical or other business related
questions, please contact us at:
info@alusion.com

For sales inquiries, please contact us at:
sales@alusion.com

