

Mitsubishi Chemical Launches ALPOLIC/fr INNER LIGHT™
—New Grade of ALPOLIC™/fr Aluminum Composite Material
Designed for Interior Building Materials—

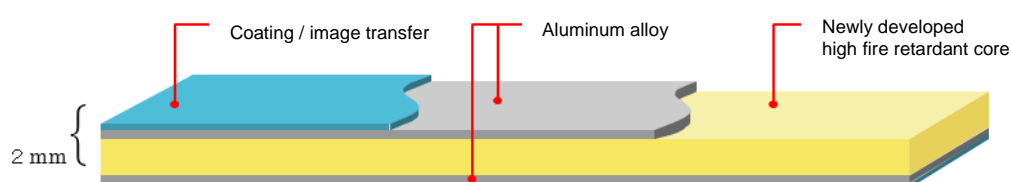
Mitsubishi Chemical Corporation

Mitsubishi Chemical Corporation (MCC; Head office: Chiyoda-ku, Tokyo; President: Masayuki Waga) today announced the launch of ALPOLIC/fr INNER LIGHT™, a new grade of aluminum composite material with improved fire retardant for interior building materials, which was added in the ALPOLIC™/fr series.

ALPOLIC™ is a three-layered composite material made by bonding two sheets of aluminum to either side of a plastic core. MCC started producing and selling it in the 1970s. Since then, MCC has been Japan's leading producer of the aluminum composite material, and also sells it in more than 130 countries around the world. The product lineup varies widely according to design, workability, and weather resistance properties, and includes ALPOLIC™/fr, which uses a fire retardant (fr) core and was certified as a non-combustible material in Japan and overseas, mirror finish ALPOLIC™/RF, and ALPOLIC™/fr SCM, which uses stainless steel for surface materials. These are used for a broad range of applications.

The new ALPOLIC/fr INNER LIGHT™, launched this month, adopts a newly developed high fire retardant core. MCC successfully reduced the new grade's potential heat value per unit volume to one-tenth that of conventional ones. It is already certified as a non-combustible material in accordance with Japan building standards law, and MCC will take procedures to acquire the same certification in other countries, even those which adopt stricter standards than Japan. In addition, the new core achieves significant reductions in weight and thickness. The company not only offers the 3mm-thick type, which is the same as conventional grades, but also added a new lineup of 2mm-thick type, which weighs 30% less than the 3mm-thick type.

Composition of ALPOLIC/fr INNER LIGHT™



Lineup of ALPOLIC/fr INNER LIGHT™

| Total thickness | Standard size | Weight/m ² | Weight/panel |
|-----------------|---------------|------------------------------|----------------------|
| 2.0mm | 910mm×2,440mm | Approx. 3.9kg/m ² | Approx. 8.7kg/panel |
| 3.0mm | | Approx. 5.5kg/m ² | Approx. 12.2kg/panel |

The ALPOLIC/fr INNER LIGHT™ lineup features more than 100 colors in various finishes and patterns, and is suitable for building renovation projects as well as new construction. MCC will promote its application in a broad range of fields from commercial facilities and office buildings to home construction in Japan and overseas.



Oral Designer Shinjuku Dental Clinic

Yoji Yamamoto, Matsuya Ginza Store

The National Assembly Office of Vietnam

※The above images are examples of construction and renovation projects that used conventional ALPOLIC™

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