MEG

MATERIAL EXTERIOR GRADE

ABET LAMINATI

WHAT IS: MEG is a self-supporting high pressure laminate (HPL) with a decorative surface that is suitable for exteriors. It is fade resistant and weather-proof and complies with standard EN 438:2005 Part 6. It is entirely made up of layers of phenolic resin-impregnated cellulose fibres with one or more decorative surface layers of cellulose fibres impregnated with thermosetting resins.

The manufacturing process involves the combined application of heat (150 °C) and high pressure (9 MPa) in multi-daylight presses in which resin polycondensation takes place. One or both sides can be decorative. It can be supplied as standard or flame retardant F1 versions, the latter has flame retardant additives mixed with the phenolic resins.

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CLEANING: MEG surfaces do not require any specific cleaning procedure. Any residue from machining or assembly operations can be removed with common, non-abrasive, household detergents using paper towels, sponges or soft cloths. Rinsing is recommended to remove all traces of detergent and it should be dried thoroughly to avoid leaving marks. Normal grime deposits can be removed from the installed panels with common, non-abrasive, household detergents. Always avoid excessive rubbing or wiping and the use of instruments that could cause abrasion or scratching.

ELIMINATING GRAFFITI: MEG's chemical resistant composition and closed structure prevent spray paints, various inks, emulsion paints, lipstick and crayons from sticking to the surface and penetrating the material. No preventive anti-graffiti treatment is necessary.

SILK-SCREEN PRINTING: with digital printing technology, quadrichrome ink jet printing can be achieved directly from a computer file. The refined quality of digital printing enables very fine textures and special shading to be obtained even for highly complex patterns.
Digital printing technology eliminates the minimum quantity restrictions imposed by traditional rotogravure printing. The end result is extremely effective and completely faithful to the original. Creativity can break free from conditioning and the industry is closer than ever to achieving customer satisfaction. Digitally printed MEG maintains all its excellent properties of resistance for external applications.


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LIST OF PICTURES:

1) Fioretti Company - Macerata (I) - Arch. Ceccarelli
2) BIC Private Building - Brescia (I) - Arch. Grugni
3) Aspes Public Building - Pesaro (I) - Arch. Imperatori
4) Swimming Pool - Trieste (I) - Atélier Mendini
5) Apartments - Jemepes (B) - Arch. L'Equerre - Thierry Dricot
6) Hospital - Lanzarote (ES) - Arq. BCP Arquitectura Baquerizio Cruz Petrement

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THICKNESS: mm 2-3-4-6-8-10-12-14-16-18

SIZE: cm 305x130 - 420x130

FINISHES: "66" - SEI-A

DENSITY: ≤ 1350 KG/M3

FIXING THE PANELS

Panels must never be assembled too close together. Always allow for a degree of clearance by means of an expansion gap, the size of which can be calculated according to the dimensional variation of the panel.

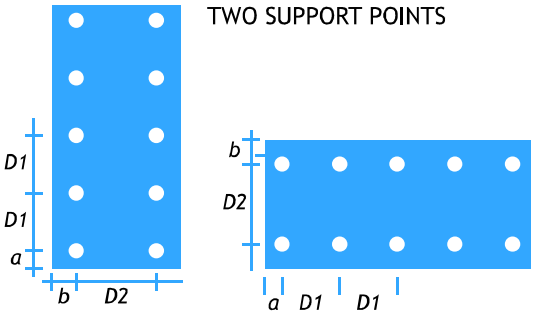
PROPERTY	TEST METHOD (EN 438:2005)	PROPERTY or ATTRIBUTE	UNIT	VALUES / L.M.
STABILITY AT ELEVATED TEMPERATURE	EN 438-2.17	CUMULATIVE DIMENSIONAL CHANGE	% LONG.	s = 4 ≤ 0,40
			% TRANSV.	s = 4 ≤ 0,80
			% LONG.	s = 6, 8, 10 ≤ 0,30
			% TRANSV.	s = 6, 8, 10 ≤ 0,60

MEG contracts in low humidity and expands in high humidity environments.

DRILLIN PLANE

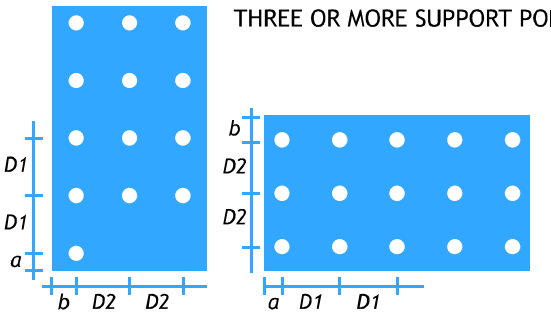
For buildings over 20m in height, you should reduce the distance between fastening points in those areas most exposed to wind, such as upper floors and corners. It is, of course, recommended to always follow your local regulations and buildings standards.

TWO SUPPORT POINTS



THICKNESS (mm)	MAX D1	MAX D2 (mm)	a (mm)	b (mm)
6	400	400	20-40	20-40
8	550	500	20-40	20-40
10	800	600	20-50	20-50
12	900	700	20-50	20-50

THREE OR MORE SUPPORT POINTS



THICKNESS (mm)	MAX D1	MAX D2 (mm)	a (mm)	b (mm)
6	550	400	20-40	20-40
8	700	500	20-40	20-40
10	800	600	20-60	20-60
12	900	700	20-60	20-60

WARRANTY: we hereby certify that MEG (Material Exterior Grade), manufactured by ABET LAMINATI, is produced by means of specific technologies which make it suitable for exterior applications. MEG is resistant to normal atmospheric agents such as rain, snow, hail, heat, chill, humidity, sunlight, salinity and to the combined action of these elements. Exhaust fumes or acid rain have no effect on MEG whose surface and core layer will remain untouched.
The long experience gained in this field guarantees MEG high reliability.

ABET LAMINATI guarantees the colour fastness and the mechanical functionality of MEG panels for 10 years.

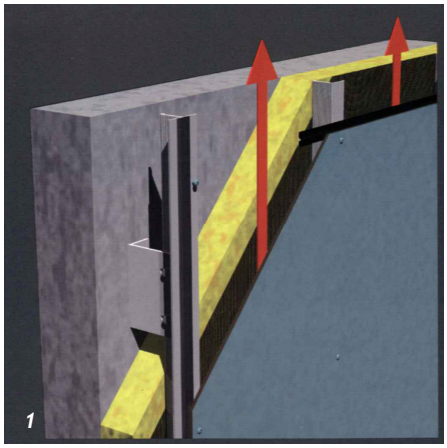
MATERIAL EXTERIOR GRADE

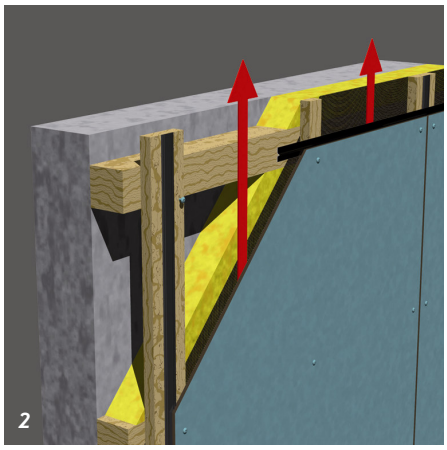
FIXING SYSTEMS FOR VENTILATED FAÇADES

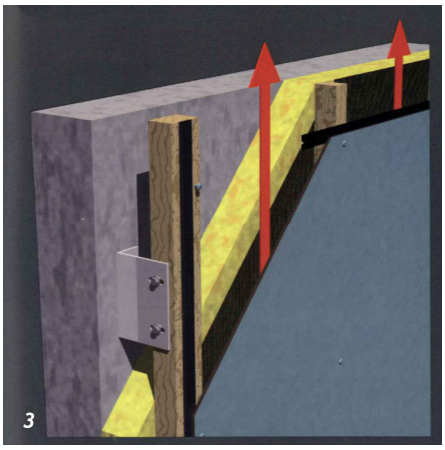
"VISIBLE" FIXING ON ALUMINIUM SUBSTRUCTURE (1)

"VISIBLE" FIXING ON WOODEN SUBSTRUCTURE (2)

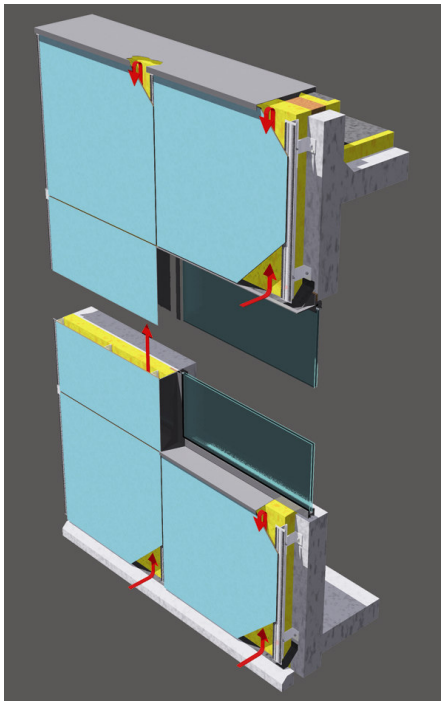
"VISIBLE" FIXING ON A MIXED WOODEN/ALUMINIUM SUBSTRUCTURE (3)







VENTILATED FAÇADE
The concept of a ventilated façade is predicated on the creation of an air pocket between the façade's cladding and the structure of the building itself.
Such a cavity allows for air movement achieving a "chimney effect" (in the presence of a closed joint) or "localized ventilation" (in the presence of an open joint. The ventilation cavity must therefore be built to specific parameters so as to allow for airflow.
This technology satisfies many requirements of façade design, greatly enhancing the building environment.



MATERIAL EXTERIOR GRADE
STANDARD - WOOD - CONCRETE- METAL

For more precise information in English language please contact your local agent or ABET LAMINATI for a more detailed brochure