

ABET LAMINATI



Unlimited selection

MEG CASE STUDIES



MEG IN PRACTICE



EDUCATION

MEG has been used recently on several school refurbishments throughout Birmingham. MEG can be installed using different methods such as visible fix where the matching screws can be seen on the surface, hidden or ventilated fix where the panels are attached from the back.



LEISURE

Sporting Club Thamesmead is a new community sporting venue in South London comprising football fields, exercise classrooms and gym.

Specified by Savile Jones, who were working to a very strict environmental brief, much of the exterior has been clad with MEG while the roofs are covered in grass.



PUBLIC SECTOR

When Derby Museum and Art Gallery wanted to reproduce a number of Museum exhibits as external window panels, they commissioned designers Bremner & Orr Design Consultants Ltd of Tetbury.

The solution was digitally-printed MEG exterior grade laminate which was visually appealing but also secure and vandal-resistant.



RESIDENTIAL

B3Living has used MEG throughout the Fishers Close and Coopers Walk developments to revitalise and refresh the concrete exteriors as well as internally and externally on the stairwells and balconies.

A range of different pastel colours have been chosen to break up the exterior and to create interesting architectural details.

MEG IN PRACTICE



RESTAURANTS

The new Phoenix Restaurant at the National University of Ireland (NUI) campus in Maynooth, Co. Kildare, is clad with hundreds of metres of grey MEG exterior grade high pressure laminate.

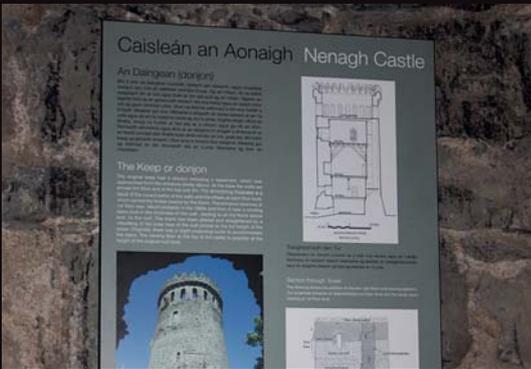
The €4m restaurant, designed by architects Coady Partnership, comprises a restaurant as well as two cafés and meeting rooms.



RETAIL

MEG is widely used in the retail sector because its wide range of colours and textures are perfect for attracting customers into the stores and for specific corporate branding.

Another advantage is that digitally printed laminate enables customers to reproduce virtually any pattern, picture or design into the surface.



SIGNAGE

For specialist installations such as signage and billboards, personalised designs can be achieved by means of silk-screen or digital printing at the decorative layer of the MEG panel.

This example of engraved signage for Nenagh Castle forms part of an rolling improvement programme by The Department of Arts, Heritage and the Gaeltacht in Ireland.



WAREHOUSING

Abet's office and distribution centre in London's docklands is a good example of the longevity and life cycle performance of MEG.

The purpose-built warehouse and office, designed by architects Dinwiddie Maclaren, still looks as good as it did when first installed in 1997.

WHAT IS MEG?

MEG is a compact grade self-supporting high pressure laminate (HPL) which is generally used for cladding the exterior of buildings and other external applications. It carries a BBA Agrément Certificate and is fade-resistant, weather-proof and complies with standard EN 438:2005 Part 6. It can be supplied in standard (MEG) or flame-retardant (MEG F1) versions with decorative surfaces on one or both sides of the panel in 2mm thickness and upwards.

When used as a building cladding, Abet works with installation partners who offer a variety of visible, hidden and ventilated fixing systems.

THE ADVANTAGES OF MEG

MEG is a durable material which is available in a wide range of standard and bespoke decors. MEG's superior technical properties make it particularly suitable for use in the building industry where it offers an ideal alternative to traditional building materials. MEG is used to clad façades and is particularly suited for the construction of ventilated façades. It is also used for balconies, street furniture and external signs.

PHYSICAL AND MECHANICAL PROPERTIES

MEG's high physical and technical performance means that it can withstand all types of weather and temperature, as well as being resistant to strong UV light, acid rain, exhaust fumes, abrasion and damage. The decorative layer is not subject to flaking or delamination.



The chemical composition and the closed structure of the panels also create a graffiti-resistant surface which can be easily cleaned using normal cleaning agents.

Natural variations in temperature and humidity have no adverse effect on MEG's properties. It is not affected by thermal shock and maintains its physical and mechanical integrity. MEG undergoes a moderate dimensional variation due to the effects of natural phenomena. It contracts in low humidity and expands in high humidity environments and can be used in extremes ranging from -30 °C to +70 °C or in climates ranging from dry to 90% relative humidity.

ENVIRONMENTAL

MEG is not hazardous to health and does not pollute the environment. It is composed of 70% cellulose fibres and 30% thermosetting resins and does not contain asbestos or heavy metals. MEG does not emit gases, fumes, solvents or liquid substances. A very high percentage of raw materials used in the manufacture of MEG are renewable, following stringent environmental principles and criteria. Industrial waste and any end-of-life residues can be stored and disposed of in controlled sites in the same way as urban waste products in controlled waste disposal sites. Its high calorific value makes MEG ideal for use in thermal recovery plants.

MEG has obtained a positive Life Cycle Assessment (LCA), based on the ISO:14000 series of standards, the purpose of which is to establish a product's environmental impact, taking into consideration the materials used, energy consumed and emissions generated during all phases of the product's life, from the manufacturing process to disposal.



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70 Roding Road, London Industrial Park, London E6 6LS
Telephone: +44 (0)20 7473 6910 Fax: +44 (0)20 7476 6935
Email: sales@abet.ltd.uk sales@abet.ie
www.abetuk.com www.abet.ie