

# Acoustic Systems

## Notre Dame High School, Greenock



### Background

The scheme delivered an 850-capacity replacement building for Notre Dame High School, Greenock on the existing Notre Dame site, with a language and communication base incorporated. The project formed part of the Inverclyde Council’s multi-million pound schools PPP contract.

The project was managed by the Consortium e4i (Education for Inverclyde), with Notre Dame forming one of the larger developments within the Inverclyde School’s contract.

### Challenge

The brief was to provide a cost effective yet robust absorption panel meeting the Reverberation Times set out by the acoustic consultants in line with Building Bulletin 93. Given the quantity of panels required, specifically in the large sports halls, the contractor wanted an easy to fit system, as they chose to install the panels themselves. Icopal worked with the main contractor’s Design Manager from an early stage to offer the right solution.

### Solution

Icopal’s Monarfloor Absorption Panels were specified as they can absorb high levels of sound energy within a room creating a softer, more comfortable acoustic environment. They are designed to control reverberant noise in schools (BB93), multi-purpose halls and virtually any large volume spaces. The Monarfloor Absorption Panels were specified to partially cover new walls, whilst creating an architectural feature.

#### Features and Benefits:

- Ideal for use in most environments – including theatres, assembly rooms, music rooms, lecture rooms, auditoriums, entrance halls, classrooms, canteens, sport halls and recording studios.
- High sound absorption capacity.
- Flame retardant – DIN 4102 (Bi) and BS476 (Class 1).
- Large range of standard sizes.
- 3 fabric finishes available – each in a large range of colours.
- Easy to install – bonded to the wall using Monarfloor High Performance Acoustic Adhesive and/or spacers (other installation methods are available).

<b>Project:</b>	<i>Notre Dame High School, Greenock</i>
<b>Area:</b>	<i>722m<sup>2</sup></i>
<b>Completion Date:</b>	<i>May 2011</i>
<b>System:</b>	<i>Monarfloor Absorption Panels</i>
<b>Client:</b>	<i>Inverclyde Council</i>
<b>Specifier:</b>	<i>RMP Acoustics / SMC Parr Architects</i>
<b>Main Contractor:</b>	<i>Miller Construction (UK) Ltd</i>
<b>Contractor:</b>	<i>Veitchi Interiors Ltd, Glasgow</i>