

# Mann McGowan helps keep the silence in Bournemouth Library

Mann McGowan wrote the book on glass dividing walls, enabling the Building Design Partnership to create a modern, light feel inside the new Bournemouth Library with the Pyrovista System.



Top London Architects, Building Design Partnership, were commissioned to design Bournemouth's new Central Library. In addition to books, the two storey building houses an IT suite with over 50 PCs for internet access, designated zones for music, children, teenagers and local heritage, and a multifunctional meeting suite.

On the ground floor, the building provides a café for visitors but a dividing wall was needed to separate the library from the café. The architects wanted to use glass - to give a modern, light feel - but had to comply with Part B of The Approved Documents (Building Regulations).

This requires the wall to provide 60 minutes fire integrity and insulation as defined in BS476 Part 22; i.e. the wall has to stop

the spread of fire by limiting the flow of hot gases, and flames, as well as reducing heat transmission.

Mann McGowan's Pyrovista 60 was chosen, manufactured and installed by the company's own specialist installation team.

Steam Beech was selected for the timber frames and beads. The screens were glazed with 21mm thick Pilkington Pyrostop Glass in conjunction with Mann McGowan's Pyroglaze 60 dry glazing seals.

Mann McGowan Pyromas Acrylic Sealant was used to fire stop the interface between the edge of the frames and the structural surround. Light brown Pyroglaze and Pyromas were used to compliment the Beech Timber.

In total, the screens measured over 11metres long by 4 metres

high, including two 135 degree returns on plan which required specialist fillets to be shaped to provide a neat finish.



Some of the larger glass panels weighed over 100 kg, requiring five men to carefully lift and hold them in place as the glazing beads were secured.

In addition to the high fire performance, the Pyrovista screen also provides impact safety to Class A of BS 6202 and a sound reduction index of 40dB.



For further information on Pyrovista partitioning or any of the extensive Mann McGowan range of intumescent products and installations call:

**01252 333601**

or visit the Mann McGowan website at:

[www.mannmcgowan.com](http://www.mannmcgowan.com)

*All the information, specifications and illustrations contained in this literature is given as guidance only and does not form part of any contract.*

*Pyrovista® is a registered trade mark of the Mann McGowan Group. The information and images in this leaflet are the property of Mann McGowan and cannot be reproduced or copied in any format without the written permission of the Directors.*



**Project Architects**  
Building Design Partnership

**Main Contractors**  
Henry Jones/Kier Group

**Specialist Fit Out Contractor**  
Brazier Interiors

**Manufacturer/Installer Pyrovista® Screens**  
Mann McGowan Group

**MANN MCGOWAN**  
Advanced Intumescent Technology

Unit 4, Brook Trading Estate, Deadbrook Lane, Aldershot, Hampshire GU12 4XB England  
Telephone: Aldershot +44 (0)1252 333601 • Fax: Aldershot +44 (0)1252 322724  
email: [sales@mannmcgowan.com](mailto:sales@mannmcgowan.com) • web: [www.mannmcgowan.com](http://www.mannmcgowan.com)



Certificate No: 93/2172



Member Glass & Glazing Federation

