Interior insulation, soffit

Photos © Bench Architects

Snitterton Hall, Matlock – South Darley, Derbyshire

Client Paul Caplan
Architects Bench Architects, Buxton, www.bencharchitects.co.uk
Internal lining contractor ALD Group; **Contractor** G F Tomlinson, Derby
Construction 2012
FOAMGLAS® application Soffit insulation,
FOAMGLAS® WALL BOARD T4+, 50 mm thick

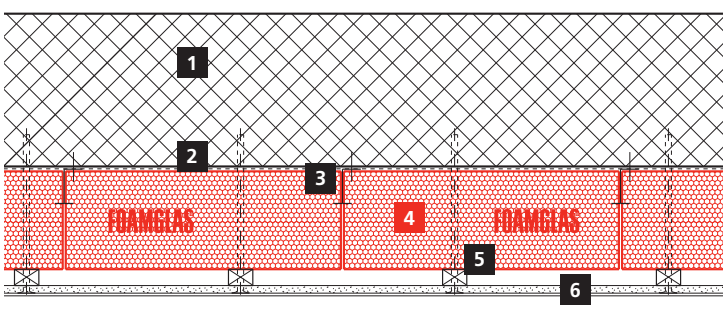
Snitterton Hall is a privately owned Grade 1 listed building. Using traditional materials and craftsmanship methods, this important historical house has been carefully restored to its former splendour .

The addition of a new subterranean swimming pool provides a modern contrast with the entrance, leading from the Elizabethan-Jacobean style gardens into the reinstated mid-18th to early-19th century glasshouse. The ground floor features an entrance lobby area, mezzanine with balconies and planters to the north and south walls with edge lighting to the glass fronts. A staircase provides access to the subterranean pool level and the plant room.

To eliminate risk from interstitial condensation, FOAMGLAS® WALL BOARD T4+ was specified to insulate the concrete soffit above the subterranean swimming pool.

Installed with fully sealed joints using PC® 56 cold applied bitumen based adhesive, the hermetically sealed cellular glass structure of FOAMGLAS® WALL BOARD T4+ does not allow for the passage of water vapour and prevents the nuisance of interstitial condensation, associated with high risk buildings such as swimming pools.

A timber ceiling support system was employed to provide a secondary fix for the insulation layer and support the appropriate internal lining boards for high humidity applications.



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Build-up
1 Concrete deck
2 Primer coat
3 Mechanical fastening with anchors PC® F
4 FOAMGLAS® WALL BOARD T4+, bonded in cold adhesive PC® 56
5 Timber / metal substructure, mechanically fastened
6 Panelling