

TECHNICAL INFORMATION SHEET

Tiling No.16 - Stone faced precast concrete cladding

We have become aware that over the last number of years our tile adhesives may be being used with a number of stone cladding panel products available on the market.

We would like to clarify that our tile adhesives have been specifically designed and tested within the requirements of BS EN 12004 'Adhesive for Tiles' and have been CE tested and approved as such. These products have not been tested by Larsen for any application other than tiling.

Cladding carried out with thin stone veneers or brick slips is effectively tiling, however the stone cladding panel products have the stone veneers embedded in a concrete backing. These units are considerably heavier and larger than tiles and in our opinion bridge the gap between a cladding unit and a masonry unit. There does not seem to be a specific standard covering the installation of these products using adhesive fixing only. In the UK, BS 8298 gives recommendations for the design, installation and maintenance of mechanically fixed facing units of natural stone as a cladding held to a structural background by metal fixings and this standard also covers mechanically fixed stone-faced pre-cast concrete cladding systems. It does not however cover adhesive fixed systems.

The risks associated with the adhesive fixing of large stone or ceramic tiles to building façades are well documented, and usually tile adhesive manufacturers advise to limit the height to 3 metres. Most importantly, the current code of practice for tiling states that tiles larger than 0.1m² must be mechanically fixed above first floor height.

In regards to stone-faced pre-cast concrete cladding systems we would recommend that our tile adhesives are only ever used as a secondary method of fixing in addition to suitable mechanical fixing, regardless of installation height. We would further recommend that installation above first floor level only be carried out after design advice is sought from a structural engineer.



Tim Moore
CHIEF CHEMIST
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The information given in this technical sheet is based on both current development work and many years' field experience. Whilst every effort is made to ensure that the information is reliable we cannot accept responsibility for any work carried out with our materials where we have no direct control over methods of application, site conditions etc. Always read and familiarise yourself with the relevant product safety and technical datasheets before using any of our products.



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