

# TECHNICAL DATA SHEET DS 036

NON CONTROLLED UNLESS STATED OTHERWISE

QCF 56 Issue 3

PAGE

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ISSUE

12

DATE

6 February 2006

APPROVED

M.T.P

TITLE.

Installation of SRS Stud Rail System Floating Floors.

See our leaflet PL011 for general details and also our drawing S096 for typical installation information.

All equipment is to be installed in accordance with our layout drawings and job specific recommendations issued with each application.

Health, Safety and Welfare risk and COSHH assessments must be undertaken to ensure safe systems of work are adopted prior to commencement of any installation work.

### Typical Installation Procedure.

1. The supporting structural slab must be a smooth power float finish, with a level tolerance of  $\pm 3\text{mm}$  over a 3m distance.
2. The area must be clear and free from any debris or obstructions. There must be no exposure to water/damp before or during the installation process. Any water, oil or liquids present will seriously affect the efficiency and life span of the floor materials. All existing or future penetrations should be blocked out or suitable shuttering put in place prior to any floor installation.
3. If the floating floor is on the ground floor or is liable to water ingress, then a damp proof membrane may be required. The membrane must completely cover the floor area with all joints sealed with waterproof self adhesive tape provided.
4. Position resilient foam lining sheets or strips against peripheral vertical wall surfaces and stick in place using waterproof self adhesive tape provided. The lining should be of sufficient height to enable trimming back to the floor level after concrete and floor finishes are in place. The resilient foam lining must also be positioned around any boxed in penetrations or columns within the floor area.

***If the floating floor is to abut finished plasterboard walls, there should be suitable packing between the plasterboard and the structural wall at the floor level, to prevent the plasterboard bowing or deforming during the concrete pour.***

5. Arrange layout of galvanised mild steel channel rails and Studflex rubber pads as detailed on our layout drawings and infill between channel rails with mineral wool where applicable.

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6. Lay the F32S Corrugated Steel Profile form work on to the floor channel rails. These profile sheets should fit closely to the resilient foam lining and overlap down centre joints by a minimum of one corrugation and overlap at the sheet ends by approximately 200 mm. Carefully cut apertures required for service penetrations, drains etc. All profiles should then be screwed to the floor channels as required, typically 2 screws per m<sup>2</sup> using self screwing tech screws.
7. Any large gaps found around the perimeter or across the floor area must be sealed using an expanding foam. An efficient seal must be obtained to prevent percolation when pouring concrete.
8. Concrete reinforcement (by others) can now be positioned ensuring profile sheets are not disturbed and the resilient foam lining sheets are not damaged. The concrete can then be poured to the depth detailed as our installation drawings (typically 111mm).
9. After the concrete has cured, cut back the resilient lining to the concrete or finished floor level or alternatively 25 mm below and seal perimeter using specified mastic sealant.
10. The efficiency of an isolated system can be seriously impaired if the system is connected to rigid pipes, electrical conduits, ducts or shafts. It is essential that such external connections be as flexible as possible, not only to prevent transmission of vibration through the connections and allow the system freedom of movement, but also to avoid possible failure of the connections.

Please contact our Technical Department at the address below if you have any problems relating to installation or selection.



## Christie & Grey Limited

Morley Road, Tonbridge, Kent TN9 1RA, England

Telephone : +44 (0) 1732 371100 • Fax: +44 (0) 1732 359666

E-mail : sales@christiegrey.com • web site: www.christiegrey.com

