

Project:
The Firs Residential Project

Location:
North Deeside Road, Aberdeen

Applicator/Contractor:
Veitchi Industrial Flooring

Designer/Architect/Specifier:
Graham Mitchell Architects

Market sector:
Commercial Flooring

Product used:
MasterTop 1327

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Technical contact:
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The Firs Residential Project, Aberdeen

Architectural contemporary flooring solution



Our reference in Aberdeen (United Kingdom): The Firs Residential Project

The background

Veitchi Industrial Flooring was approached by Graham Mitchell Architects to put forward proposals to provide a light grey resin floor finish throughout a house they were designing for a client in Aberdeen. The work comprised 160m² on the ground floor and 50m² on the upper floor.

The architect was looking for a floor that was capable of providing a durable and functional finish in the kitchen and circulation areas while giving the comfort expected in the bedroom and living areas.

The challenge

The key issue on this project was quality. The flooring material had to flow seamlessly throughout the house so consistency of colour and a blemish-free surface were paramount. Three key factors had to be considered:

Preparation: the screed had wide and extensive cracking due to the use of underfloor heating.

Environment: the contractor had sole access to the property for the two weeks needed to install the floor. However, much of the decoration was complete, a difficulty compounded by the detailing.

Installation: the geometry of the environment was complex, with small rooms, irregular shapes, curved walls and penetrations through the floor.

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Our solution

The cracks in the screed were filled and bandaged before the application of a scratch coat. The Master Builders Solutions system used on the project was the innovative MasterTop 1327. This highly elastic 7-9mm fully resin-bound high energy absorbing, crack bridging light stable polyurethane floor supersedes the traditional time intensive rubber crumb system. In addition to its modern aesthetics, low emissions (AgBB certified) and its ability to be installed over underfloor heating, the product was also selected due to its comfort underfoot, sound-deadening properties to help reduce vertical noise transmission (12db sound reduction) and crack-bridging properties. This last benefit allowed for substrate cracks and joints to be over coated and not expressed in the floor finish.

MasterTop 1327 has a static crack-bridging capability of up to 3.3mm (class A5 to EN1062-7) meaning that any potential for reflective cracking due to future expansion and contraction of the screed was effectively removed.

The innovative rubberised, highly elastic underlayment (replacement for rubber crumb matting) enabled detailing to be more easily accommodated with its traditional wet resin self-smoothing application. To iron out any mixing and laying problems, Master Builders Solutions' technical representative attended site ahead of and on the day of the first lay to advise on mixing, component quantities and laying equipment and technique. Master Builders Solutions' input was instrumental in achieving the high standard of quality required

Benefits to the customer

- Both companies were committed to providing a service to the project team from the drawing board through to installation and completion.
- The finished result clearly reinforced the benefits of close collaboration between the material supplier and the resin installer.
- The homeowner was delighted with the attractive, durable and easily cleaned seamless floor, which flows through the entire house, completely in tune with the modern, clean, minimalist lines of the building.
- An attractive and modern sound-deadening, joint-free solution.

Projects facts at a glance

- Shortlisted for FeRFA's small project of the year award
- Residential project in a contemporary setting
- Partnering approach between flooring contractor and supplier
- Aesthetics, comfort and performance achieved
- Resin flooring offered a viable and unique modern alternative to traditional flooring options in the residential market.

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