

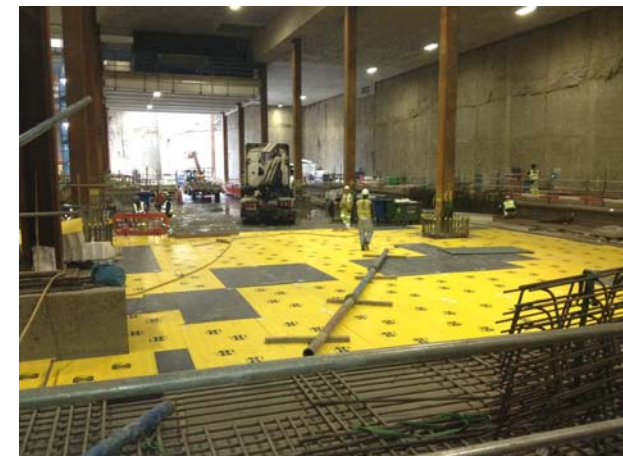
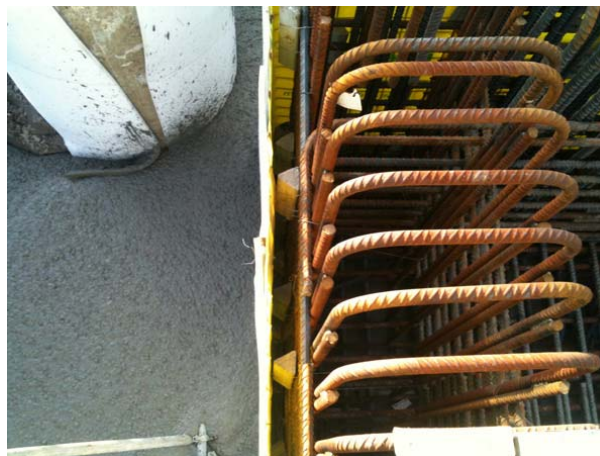
References: Pecafil® permanent formwork & Pecavoid® ground movement solution

Project: Heathrow Airport Terminal 2B
Location: London
Main Contractor: Balfour Beatty
Sub Contractor: Byrne Bros. (Formwork) Ltd
Engineers: Mott MacDonald
Product: Pecafil® VR6 and VR8 flat strips
Pecavoid® CB250 25/35 with drainage holes

After more than 60 years, Heathrow's Terminal 2 building will be replaced with a new terminal which will eventually become the home of Star Alliance. While the new building will not offer increased capacity or additional flights, it will provide the latest in airport technology. Once complete, the new terminal will boast a floor space of 185,000m² covering the sites of both Terminal 2 and the Queens Building. The finished terminal will be extended into the existing Terminal 1 in phases, allowing Heathrow airport to welcome 30 million passengers each year to the terminal.

Pecafil® has been used extensively worldwide for over 30 years, as a trusted permanent formwork, for the construction of many different foundation types on major projects. The use of Pecafil® on this project avoided the need for heavy traditional formwork and enabled a quick and simple installation process.

Max Frank were later approached by the sub contractor, to supply Pecavoid®, as the original supplier had stopped production of the required type of ground movement solution part way through the development. Pecavoid® was specially manufactured by Max Frank for this project, to incorporate a recessed channel, to allow drainage between cells. Max Frank successfully supplied all materials on-time to comply with specific site requirements.



References: Pecafil® permanent formwork

Project: Griffin Wind Farm
Location: Aberfeldy, Scotland
Main Contractor: Lagan Construction Ltd.
Construction start: Spring 2011
Product: Pecafil® VR6, flat sheets

Pecafil® has been used extensively worldwide for over 30 years for the construction of many different foundation types, including wind tower bases. Pecafil® offered the opportunity to avoid the use of heavy traditional formwork and cranes and enabled a quick and simple installation process.



References: Pecafil® permanent formwork & Pecavoid® ground movement solution

Project: Residential Development
Location: Somerset
Product: Pecafil® VR6 U-sections
Pecavoid® CB250 15/22

Pecafil® permanent formwork & BBA approved Pecavoid® cellular void former were used during the construction of a new residential housing development, consisting of 1, 2, 3 & 4 bedroom homes. Supplied within budget & on time, the groundwork solutions from Max Frank were the preferred choice for this project.

Pecavoid® offers the following advantages:

- BBA certified & meets NHBC technical requirements
- Suitable for most suspended slabs & beams
- Reduces loads transmitted to structure
- Offers improved insulation & enhanced sustainability
- Does not degrade & contains no CFCs or HCFCs
- Easily incorporated with Pecafil® permanent formwork



References: Pecafil® permanent formwork & NOEplast textured formliner

Project: Colwyn Bay Waterfront Project: Watersports Hotspot
Location: Colwyn Bay, North Wales
Main Contractor: VolkerStevin
Sub Contractor: Ground Construction Limited (GCL)
Project Start / Finish: Spring 2011 / Summer 2012
Product: NOEplast textured formliner “Carlisle” design
Pecafil® permanent formwork

In situ concrete sea walls using NOEplast were selected as an economical & durable solution to the original design of precast units with “cast in” real-stone cladding. The client opted for the NOEplast “Carlisle” pattern – a bespoke design which was previously created for VolkerStevin when they worked on a flood alleviation scheme in the town of Carlisle. This design compliments the surrounding environment as it is similar to the local stone.

Pecafil® VR6 was also used to form the pile caps & beams for the new watersports complex.

NOEplast formliners offered the following advantages for this project:

- virtually any design possible
- reusable & cost-effective for this large scale application
- easy to use



References: Pecafil® permanent formwork & Pecavoid® ground movement solution

Project: Hall & Woodhouse Pub/Restaurant
Location: Portishead
Main Contractor: ISG Pearce
Sub Contractor: BCL Construction
Product: Pecafil® VR6 U-sections
Pecavoid® CB250 20/30 & Pile Collars

Portishead harbour is undergoing a large scale redevelopment which includes new housing, supermarkets, retail and leisure facilities.

Pecafil® and Pecavoid® were used in the foundations for a new pub/restaurant. The design of the new pub/restaurant is particularly interesting – once complete it will look as though it has been constructed using “shipping containers”, making reference to Portishead’s large port.



References: Pecafil® permanent formwork

Project: Ranmoor Gardens
Location: Sheffield
Main Contractor: Jaguar Estates Ltd.
Sub Contractor: G Banks Ltd.
Project start: Spring 2012
Product: Pecafil® VR4 U-sections & pre-formed rings

In addition to using Pecafil® VR4 U-sections, Pecafil® pre-formed rings were used instead of precast concrete manholes, as permanent formwork for the pier foundations.

The 3m - 4m deep piers were used because the piles could not penetrate through the loose rock layers. Pecafil® offered a far more economical solution than precast concrete manholes in terms of both material and delivery costs.



References: Pecafil® permanent formwork

Project: Walton Bridge Replacement
Location: Surrey
Main Contractor: Costain
Product: Pecafil® VR10 flat strips

Pecafil® was used within the base of the new bridge foundations, to save on the concrete, which would have otherwise been poured into the voids of the sheet pile.



References: Pecafil® permanent formwork & Pecavoid® ground movement solution

Project: Private development
Location: Preston, Lancashire
Sub-Contractor: Project Piling and Civils
Construction phase: Spring/Summer 2012
Product: Pecafil® flat strips
Pecavoid® RDB 155 10/15

Pecavoid (reduced depth) ground movement solution was used during the construction of a new house in Preston, Lancashire. Used alongside Pecafil flat strips, both products were easy to transport and install.

The Pecafil flat strips were stripped from the concrete beams (for re-use) to reveal the finished foundations.

