



### **OUR SOLUTIONS**

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#### **GROUND HEAVE SOLUTIONS INCLUDE:**

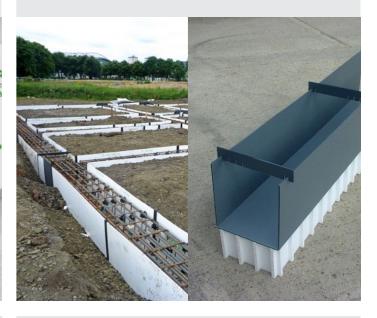
#### Cellcore HX S, HX B & HG

Designed to protect reinforced suspended concrete floor slabs, piled ground beams and pile caps from the upward forces associated with the effects of ground heave.



#### **Cellform HX**

Combines the benefits of Cellcore HX with an economical and simple to install permanent formwork system.



#### **Cellcore HX Plus**

Provides combined ground heave protection and integral insulation in a single product.



#### Heaveguard

A compressible, low density, Expanded Polystyrene (EPS) product, used to protect foundations against lateral heave. Available in both sheet and pile collar formats.



# FILCOR IS INCREASINGLY BEING SPECIFIED FOR AN EVER-GROWING RANGE OF APPLICATIONS. The most common applications include use as a lightweight structural fill alternative to Features and available options include: • Lightweight and easy to handle • Provides a high degree of insulation Hot Wire Cutter hire service offered **Common applications for which Filcor** can be considered include: • Bridge abutments Retaining walls • Protection of below ground utilities

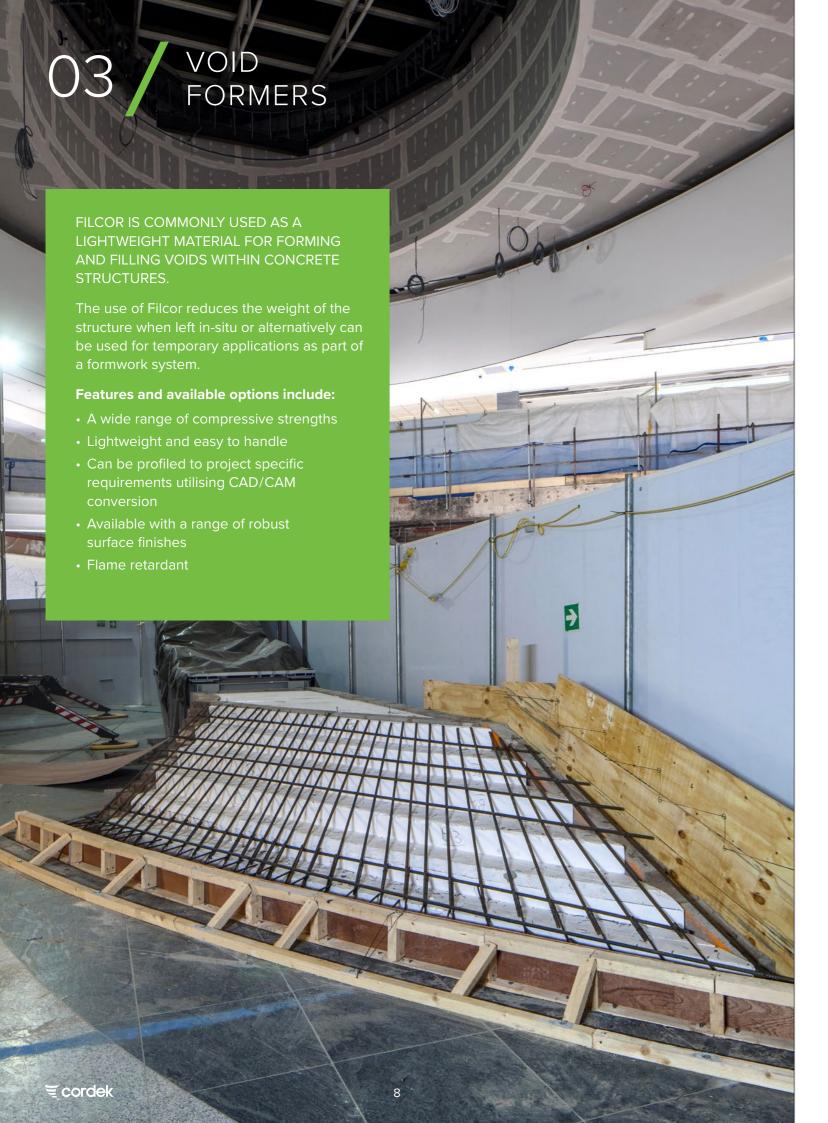
#### STRUCTURAL FILL SOLUTIONS:



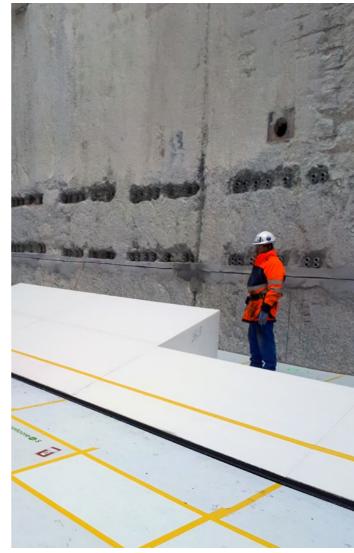








#### **VOID FORMERS SOLUTIONS:**









## 04 VOC & GROUND GAS PROTECTION

THE RISKS ASSOCIATED WITH VOLATILE ORGANIC COMPOUNDS (VOCs) AND GROUND GASES HAS LED TO AN INCREASING NUMBER OF CONSTRUCTION PROJECTS REQUIRING THE USE OF A SUITABLE PROTECTION SYSTEM TO SAFEGUARD BOTH THE DEVELOPMENT AND ITS OCCUPANTS.

Cordek is at the forefront of VOC and Ground Gas Solutions, having developed a range of venting and protection systems which have evolved through extensive research and development.

#### VOC & GROUND GAS PROTECTION SOLUTIONS INCLUDE:

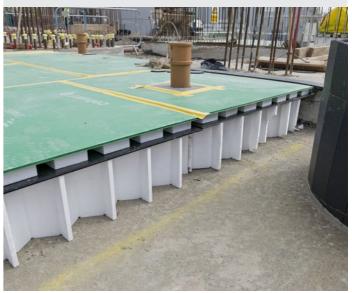
#### Ventform

Moulded EPS panels designed to provide a combination of sub-floor venting and insulation to ground bearing or suspended slabs.



#### **Cellvent HX**

Provides combined ground heave protection and sub-floor venting capabilities in a single product.



#### **Membranes & DPCs**

VOC & hydrocarbon barriers, ground gas resistant membranes and DPCs.

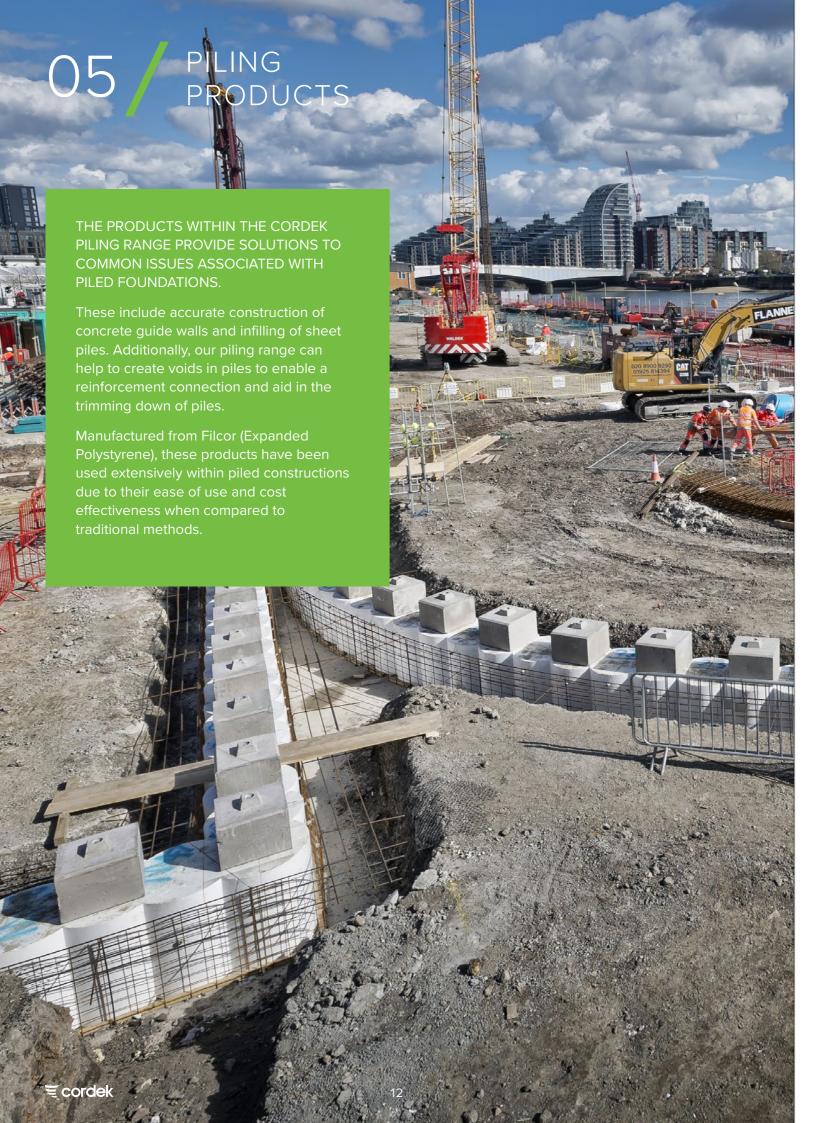


#### **Venting & Membrane Accessories**

A range of accessories to provide a complete VOC and/or gas protection system.







#### PILING PRODUCT SOLUTIONS INCLUDE:

#### **Guide Wall Formers** (Sacrificial or Reusable)

For accurately forming in-situ concrete guide walls.



**Sheet Pile Infills** 

An economical and lightweight solution to infilling the open pans in an exposed sheet pile wall.



#### Pilecor

Simplifies the process of forming a structural connection between a bored pile and a basement slab.



#### Corbreak

A unique system to aid the trimming down of large diameter piles.



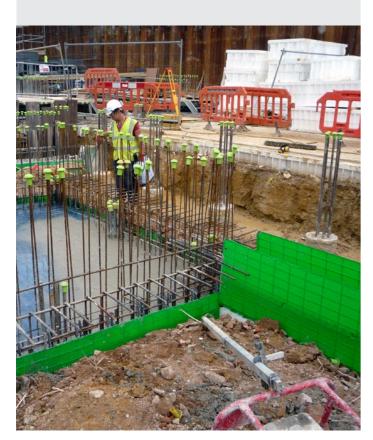
### O6 PERMANENT FORMWORK FOR GROUND BEAMS & PILE CAPS

CORDEK OFFERS A RANGE OF FORMWORK SOLUTIONS FOR THE CONSTRUCTION OF IN-SITU GROUND BEAMS AND PILE CAPS.

For all of the permanent formwork systems, a complete service from initial site consultation and material scheduling, through to quotation and delivery is provided.

#### Corgrid

This system comprises a steel mesh, fully encapsulated in heat shrunk polythene, which is supplied in a pre-formed shape to suit project requirements.



#### Groundform/Sideform

Manufactured from twin wall polypropylene sheets which can be supplied pre-formed to project specific requirements or as standard sheets for fabrication on site.



### **Reinforcement Spacers**

Designed to support the steel reinforcement used within reinforced concrete structures to maintain the specified concrete cover.



### 7 RIBBED SLAB FORMWORK

CAST IN-SITU, RIBBED CONCRETE FLOORS ARE AN EFFICIENT DESIGN SOLUTION FOR CONCRETE FRAME CONSTRUCTION; BENEFITS OF USING THIS TECHNIQUE INCLUDE LONGER FLOOR SPANS AND REDUCED WEIGHT OF THE STRUCTURE.

Cordek's trough and waffle moulds can be used for the construction of both one-way and two-way spanning ribbed floors and are cost effective formwork systems designed for multiple uses.

Depending on the choice of materials they can also provide a consistent and high-quality finish for exposed soffits.

#### **Trough Moulds**

Formwork solutions for the construction of one way spanning, ribbed concrete floor slabs.



#### **Waffle Moulds**

Formwork solutions for the construction of two way spanning, ribbed concrete floor slabs.





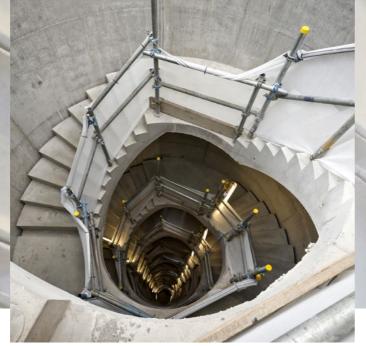
## 08 BESPOKE FORMWORK

WHEN CONSTRUCTING COMPLEX, CURVING PROFILES USING IN-SITU CAST CONCRETE, THERE IS OFTEN THE REQUIREMENT TO CONSIDER A BESPOKE FORMWORK SOLUTION.

Our in-house Project Design Team is experienced in providing cost effective formwork solutions for creating distinctive architectural features, finishes and shapes.

Common applications for which bespoke formwork solutions are used include:

- Complex columns
- Spiral staircases
- Arches & domes
- Complex concrete frames
- Tunnel linings/openings
- Architectural feature
- Ceiling soffits
- Parapets & coping:
- Feature walls
- Balconies
- Street furniture/landscape features





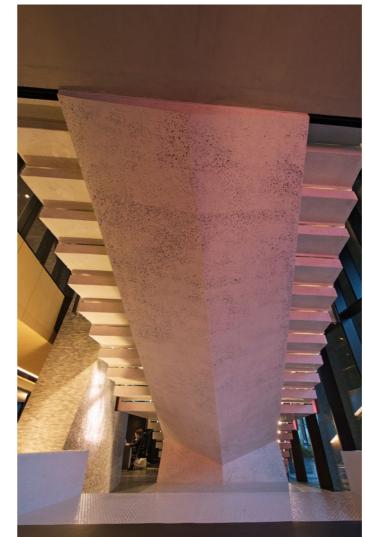




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#### **BESPOKE FORMWORK SOLUTIONS:**











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## O9 TEMPORARY ACCESS & PROTECTION

#### **TEMPORARY ACCESS**

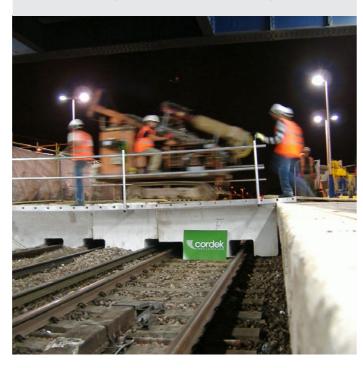
CORDEK OFFER SOLUTIONS FOR TEMPORARY ACCESS IN THE FORM OF RAMPS AND PLATFORM CROSSINGS, COMMONLY USED DURING THE REFURBISHMENT OF EXISTING BUILDINGS AND RAILWAY STATIONS.

Each temporary access solution is manufactured from lightweight Filcor to meet the project specific requirements.

#### Features and available options include:

- Bespoke profiles & dimensions
- Lightweight manually handleable

#### **Temporary Platform Crossings**



#### **TEMPORARY PROTECTION**

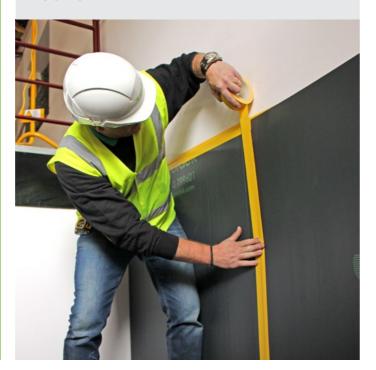
THERE ARE A NUMBER OF SITUATIONS ON A CONSTRUCTION SITE WHERE THE SAFEGUARDING OF FIXTURES, MATERIALS AND FINISHES ARE NECESSARY.

Correx is the original, twin wall fluted, polypropylene protection board and has become the industry standard for most temporary protection applications.

#### Features and available options include:

- Lightweight, durable & impact resistant
- Range of thicknesses, colours & sizes
- LPS1207 accredited & anti-static options
- Range of compatible jointing tapes available

#### Correx





If you are looking for something specific then visit our technical library at www.cordek.com/technical-library for the following tools and resources:



**Data Sheets** 



- Standard Details





C E Declaration of



**MSDS Data Sheets** 



Certification, Approval & Guidance





**BIM Library** 



Brochures



**Installation Guides** 

Cordek also offers a range of comprehensive Continuing Professional Development (CPD) Seminars for Architects, Contractors, Designers and Engineers. Please contact us for more information.



Our team of experienced Technical Advisors can help at any stage during your project, from specification to on-site installation guidance. Please contact us or visit our website for more information:

**1** 01403 799600

www.cordek.com

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