

Pilecor Data Sheet



The Pilecor system is designed to simplify the process of forming a structural connection between a bored pile and a basement construction.

Pilecor is manufactured from high density Filcor (Expanded Polystyrene), it is cut using computer controlled hot wire cutting equipment, to the exact profile required for the project.

Pilecor is typically supplied in two sections which are fixed to the internal and external faces of the reinforcement cage prior to the cage being positioned into the open bore. When the pile is cast it then creates a soft area accurately located within the pile.

When the basement is excavated the Pilecor can be easily removed to facilitate the linking of the reinforcement cages.

Key Features

- Manufactured from a high density Filcor to suit the depth of pile
- Creates a 'soft' zone within the reinforced concrete pile for pile/slab connections
- Flame Retardant (FR) properties
- Manufactured to site specific dimensions to suit customers' reinforcement layout

Storage & Handling

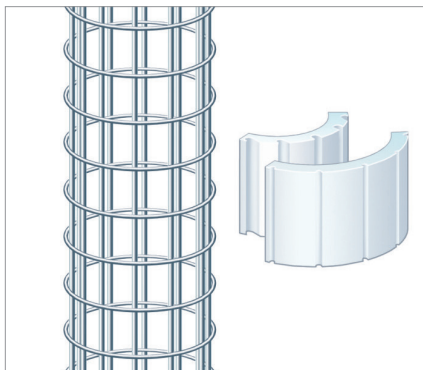
All products are delivered in a polythene wrapping and are clearly labelled. Individual units can be manually handled and offloaded upon delivery, taking in to account any site specific manual handling regulations.

Due to the relatively light nature of the product, all Pilecor units should be weighted down or secured should they be stored outside prior to installation. No further storage requirements are needed as the product is unaffected by both UV light and water.

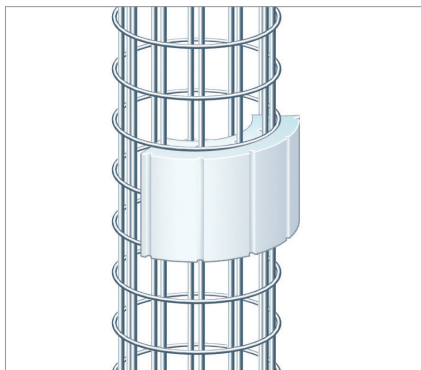
For further information on the full range of Cordek's Piling Products, please contact the Cordek technical team on 01403 799600, techsupport@cordek.com or consult our website at www.cordek.com.



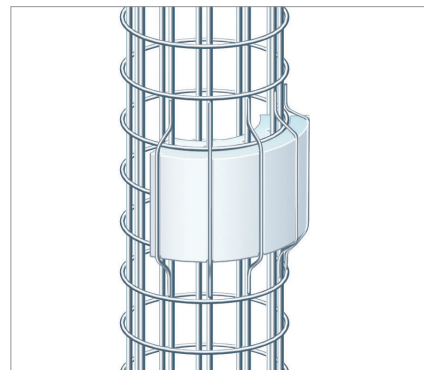
Installation



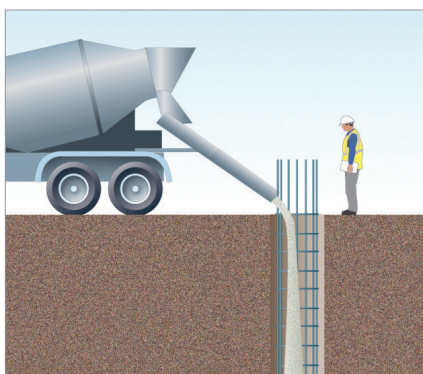
Reinforcement cage and two-part Pilecor.



Pilecor in position either side of the reinforcement cage.



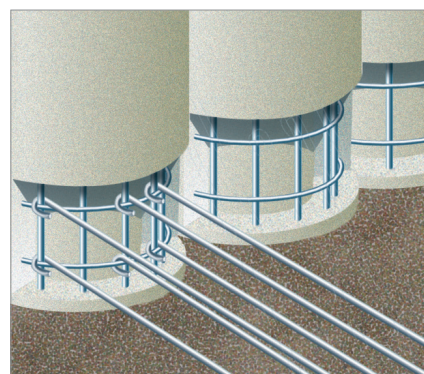
Securing straps to hold the Pilecor in place are attached to the cage.



Concrete poured to form the pile.



Excavated to basement level, Pilecor is removed and pile reinforcement exposed.



Connection of basement slab reinforcement.

Product Data

FILCOR GRADES & PERFORMANCE		
Grade	Compressive Strength @ 1% Strain	Maximum Concrete Depth (m)
Filcor 100	100kN/m ²	4.0
Filcor 120	120kN/m ²	4.8
Filcor 140	140kN/m ²	5.6
Filcor 160	160kN/m ²	6.4
Filcor 190	190kN/m ²	7.6

*For concrete depths over 7.6m, please contact the Cordek Technical Team for further on 01403 799600

All Filcor grades are manufactured in accordance with BS EN 13163:2012

Issued: 01/2021

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