

Corbreak Data Sheet



Corbreak is a unique system to aid the trimming down of piles. During the construction of piled foundations, it is quite often necessary to reduce the height of the piles and expose the reinforcement within them. The removal of concrete required to do this has been traditionally carried out using hand held tools which subject the users to a number of health and safety related issues e.g. noise and vibration.

Corbreak units are a fast, quiet and economic solution to the problems associated with the trimming down of piles. Manufactured from Filcor (Expanded Polystyrene), they are fixed into the pile reinforcement cage prior to placing the cage into the bore. After casting of the pile and the exposure of the top of the pile shaft the Corbreak allows the top of the pile to be cracked and lifted off thereby reducing the height of the pile to the required level.

Key Features

- Manufactured from a lightweight Filcor
- No chemicals required during the installation or removal process
- Reduces the breaking out time when compared to traditional methods
- Removal can be carried out quietly, without the need for hand held tools
- Avoids the risk of cracking the pile when using heavy hydraulic breakers

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

Each Corbreak unit is typically positioned over the vertical pile reinforcement, approximately 30mm above the proposed trim level of the pile. It is held in position with the application of expanding foam around the reinforcement.

Following positioning of the Corbreak unit, de-bonding sleeves are placed over the reinforcement bars and the pile cage is lowered into the ground. Concrete is then poured through the central opening in the Corbreak unit it has reached the height of the projecting rebar.

Following curing, the central 'plug' of concrete can be easily detached and mechanically lifted off the top of the pile.

Storage & Handling

Individual units can be manually handled and offloaded upon delivery.

Due to the relatively light nature of the product, all Cordek Corbreak 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.



Product Data

Unit Dimensions:

Diameter – Ranges from 1.0m to 2.5m depending on diameter of pile

Depth – Varies based upon the diameter of the Corbreak units

Hole Diameter / Spacing:

As required to suit the reinforcement diameter and layout

Materials:

Filcor faced with Correx (Polypropylene Sheet) to aid rigidity and reduce adhesion

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