

ENKADRAIN[®]

GEOCOMPOSITE FOR DRAINAGE & VIBRATION DAMPING



The Enkadrain product family consists of a range of drainage composites comprising a polymer drainage core connected to a protective and filtering nonwoven on one or both sides. Enkadrain can be used in a variety of horizontal and vertical applications, combining drainage, protection and filtration in one product.

Enkadrain's extensive range includes a large number of product types, each having properties tailored for specific applications. Although the primary application is drainage, some Enkadrain types have also proven themselves as a cost-effective vibration control layer, as well as for hydrostatic pressure relief.

Functions

- Drainage at various gradients
- Protection
- Filtration
- Vibration reduction
- Hydrostatic pressure relief

Application areas

- Basement walls
- Retaining walls
- Bridge abutments
- Embankments
- Tunnels
- Parking decks
- Green roofs
- Artificial sports fields
- Concrete slabs



Features and benefits

- Leading drainage composite for over four decades
- Combines drainage, protection and filtration in one product
- Various discharge capacities and compressive strengths available
- Eliminates clogging of the drainage core
- No deterioration of the boundaries associated with traditional drainage methods
- Will not degrade over time and will not pollute the subsoil
- Excellent durability and long-term performance
- The product is lightweight, strong and easy to install in all weathers
- Supplied in small rolls for ease of handling and installation
- Can be disposed of and recycled safely after service life
- Reduces carbon footprint compared to more traditional drainage methods

Technical details

Enkadrain is a range of drainage composites that consist of a polymer drainage core which is thermally bonded or spot welded to a protective and separating nonwoven filter on one or both sides. The core can be v-shaped or consisting of looped filaments fused where they cross. Properties regarding stiffness, discharge capacity or tensile strength vary per product type, as do the properties of the fleece.

Thickness varies between 4 and 22 mm. The standard Enkadrain is available in rolls of 1 and 2 m width. The range includes fire retardant types.

Technical datasheets with full details are available on request. Information about specialist Enkadrain types such as Enkadrain CK or Enkadrain Wide for landfills is available on other relevant product leaflets. Bonar offers full design support for all applications.

Quality

The Quality Management System of Bonar has been approved to the ISO 9001 Quality Management System Standard. Certificates are available on request.

Product group

ENKADRAIN

Leaflets in this group

ENKADRAIN	ENKADRAIN Wide
ENKADRAIN Findrain	ENKADRAIN CK

Disclaimer

The information in this leaflet reflects the best knowledge at the time of publication. The document is subject to change pursuant to new developments and findings. The same reservation applies to the properties of the products described. No liability is undertaken for results obtained by usage of the products and information.

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