

## ENKADRAIN<sup>®</sup> CK

MULTIFUNCTIONAL GEOCOMPOSITE FOR DRAINAGE,  
LOST SHUTTERING AND VIBRATION DAMPING



**Enkadrain CK is a multifunctional geocomposite with a cavity-rich core featuring on one side either an impervious PVC layer or coated filter, and on the other side a nonwoven fleece. Enkadrain CK is developed for a range of specialist applications, for instance tunneling and complex formwork.**

### **Drainage**

Enkadrain CK is used as a waterproof, protective drainage layer between existing structures, new structure walls and in tunnels. Thanks to its flexibility it easily adapts to the most complex geometries. Enkadrain CK is suitable for drainage at great depth.

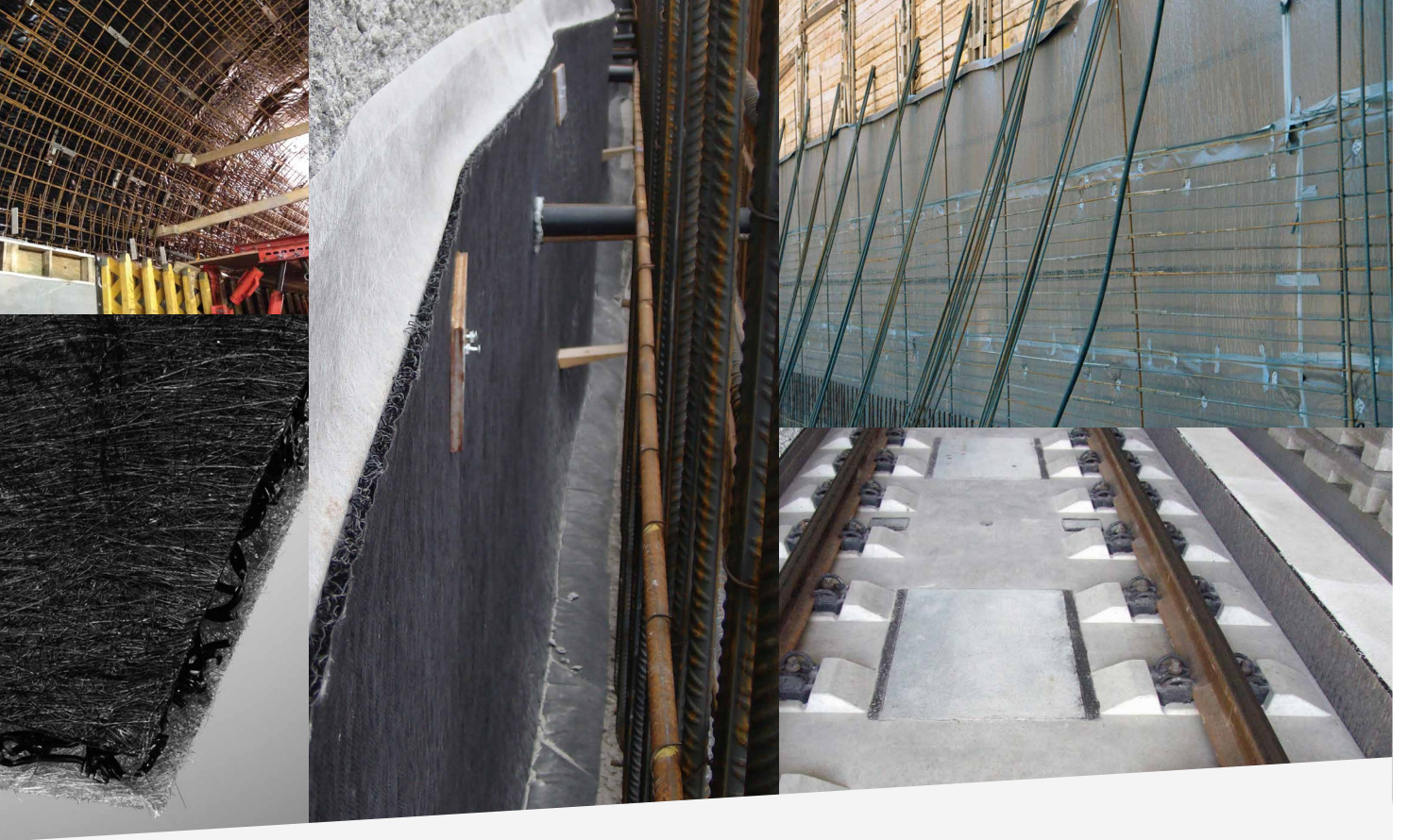
### **Lost shuttering**

When used as lost shuttering, the impermeable PVC layer or the coated nonwoven layer on Enkadrain CK will prevent moisture from entering the new building

structure. The concrete can be applied directly, without any loss of space.

### **Vibration damping**

Enkadrain CK decouples or dampens structure- or soil-borne vibrations that can be caused by various sources such as road and rail traffic, construction operations, transmissions between neighbouring buildings or machinery and power plants. Enkadrain CK provides an effective and cost efficient solution for vibrations that would otherwise result in structural damage or negative environmental impact.



### Functions

- Drainage
- Protection
- Containment of cement milk
- Separation
- Lost shuttering
- Vibration damping

### Application areas

- Complex formwork
- Deep drainage
- Neighbouring constructions
- Tunnelling
- Underneath concrete ground slabs
- Road, rail and other vibration impacted areas

### Features and benefits

- Multifunctional product
- Reduces environmental impact
- Cost effective
- Cuts excavation volume
- Flexible and suitable for complex geometries
- Matches any substrate
- Resists ground movements
- High compressive strength
- High flow capacity
- Consistent long term performance
- Compact lightweight rolls
- Quick and easy to install in all weather conditions
- Frost resistant
- Can be disposed of safely after service life

### Technical details

Enkadrain CK is a multifunctional geocomposite with a cavity-rich core featuring on one side either an impervious PVC layer or coated filter, and on the other side a protective fleece. Its core comprises looped polyamide filaments that are fused together where they

cross. Both the PVC layer and the nonwoven filter extend 10 cm beyond the core on opposite sides. This ensures that the joint is covered when lanes of Enkadrain CK are laid adjacent to one another. Enkadrain CK has a roll width of 1 m.

Technical data sheets with full details are available on request. Low & Bonar offers full design support for all applications.

### Quality

The Quality Management Systems of Low & Bonar facilities have 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

All information and product specifications provided in this document are accurate at the time of publication. As the Low & Bonar Group follows a policy of continuous development the provided information and product specifications may change at any time without notice and must not be relied upon unless expressly confirmed by a relevant member of the Low & Bonar Group upon request. No liability is undertaken for results obtained by usage of the products and information.

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