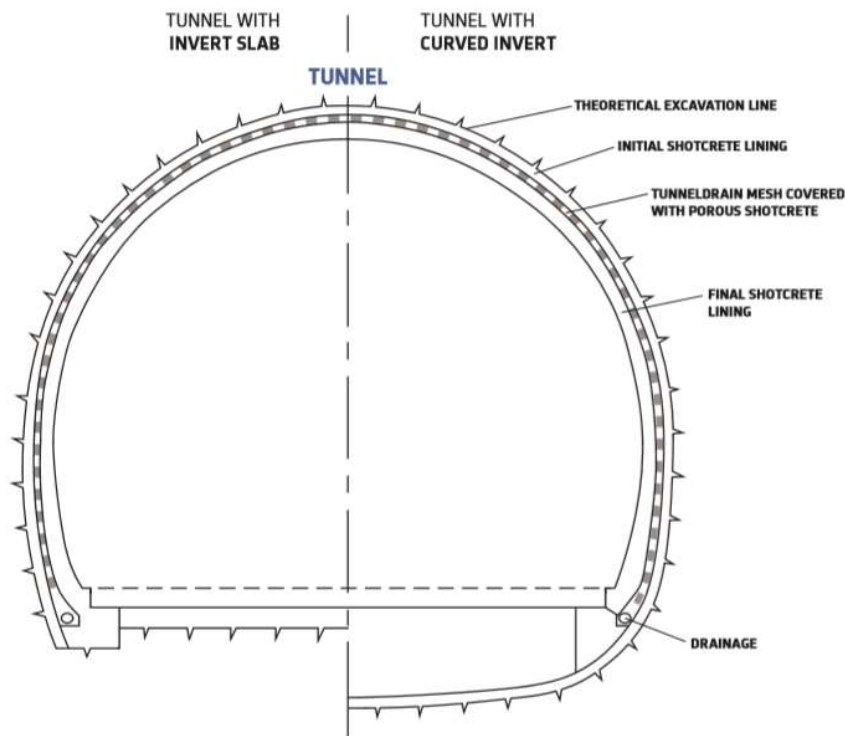


Drainage Systems

Dolenco Drainage Systems for Tunnelling and Construction

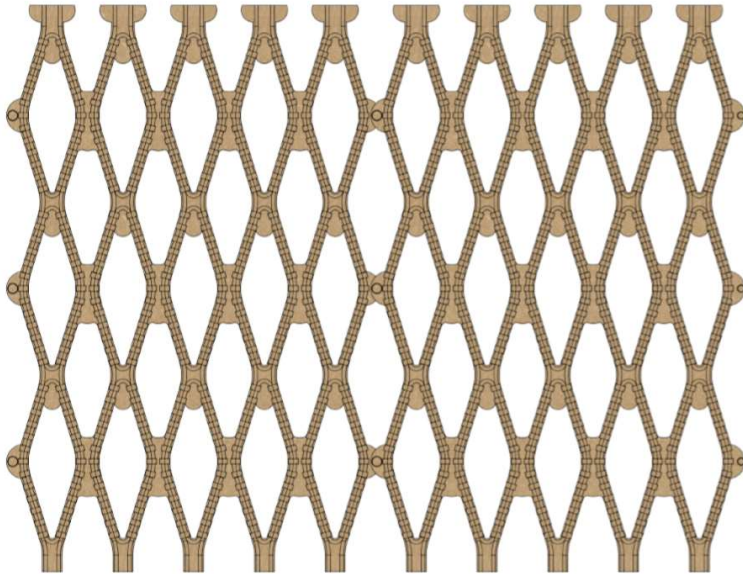
Description

The smart Scandinavian design and philosophy of environmentally friendly recycling of materials features in the Dolenco TunnelDrain. The drainage system is developed for the use of managing ground water in construction pits, basements, underground spaces and for draining tunnels. It operates by preventing built up pressure in the structure and to avoid accumulation of water behind the structure that can cause fractures and leaks.



Mounting

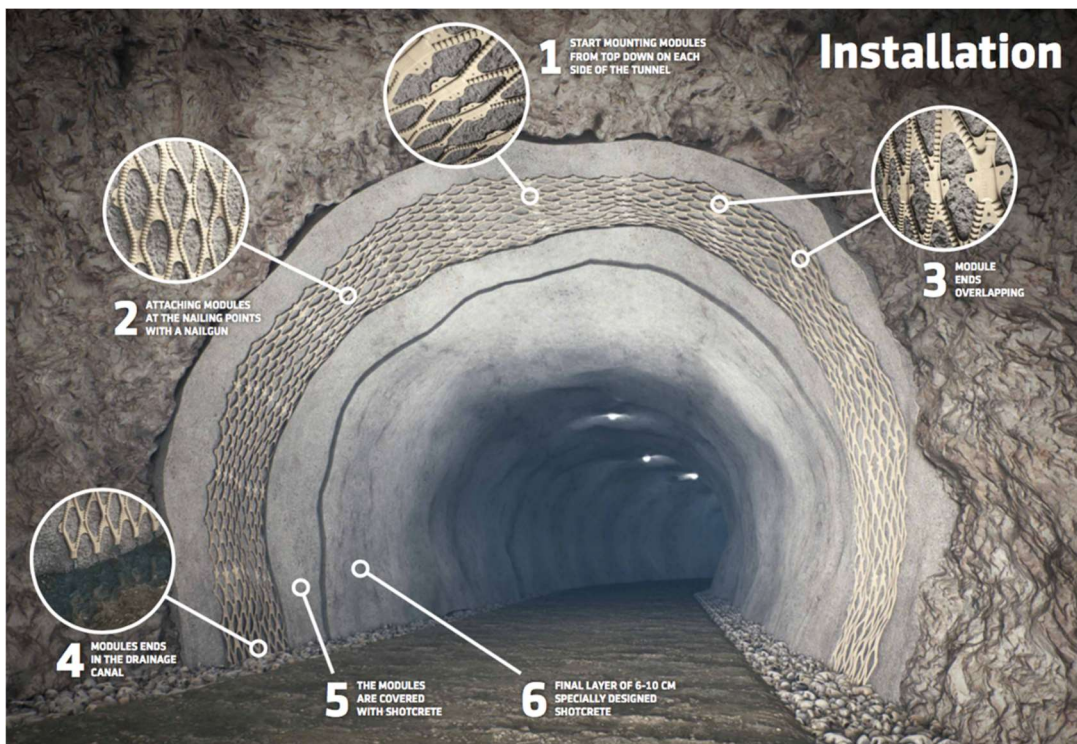
The modules are nailed to the minimum 3 cm shotcrete surface with a nail gun, one module at a time typically from a forklift. The modules are connected by nailing the top end over the bottom end, starting with the top module and working downwards to the drainage channel. After mounting TunnelDrain, a layer of porous shotcrete is applied, completely covering TunnelDrain. Finally, a ca 6-10cm layer of specially designed shotcrete is applied.



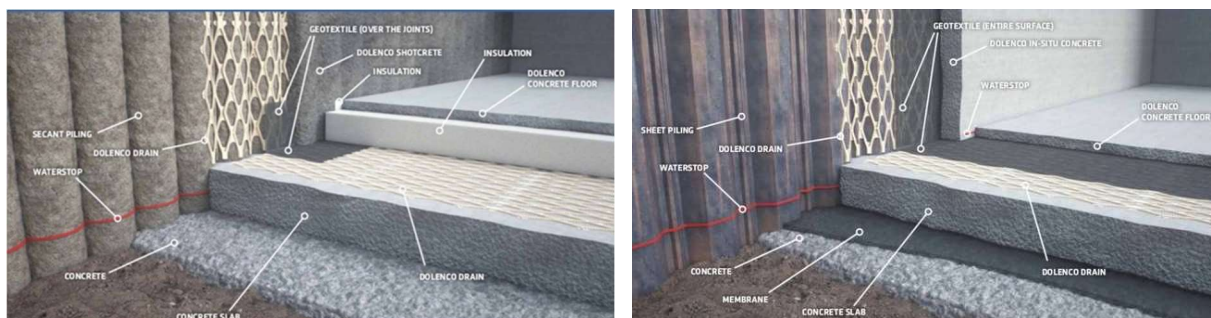
Maintenance/Service

The tunnel can be scanned systematically to identify any blockages and standing water in the TunnelDrain System. Blockages are removed by cleaning the relevant channels mechanically.

Tunnel Drainage



Secant, Sheet Piling, Basement and other Underground Applications



Advantages:

- Securing permanent drainage
- Made from recycled material
- Makes concrete easy to recycle, no separation of materials
- No-pressure build-up security
- Easy click mounting system
- Slim, monolithic solution
- Lower system cost
- Lower LCC cost
- No environmental impact
- Flexible, lightweight
- Quick application, no bolts needed
- Module based for easy mounting
- Reduces risk of cracking
- Mountable on leaking surfaces
- No moving joints needed
- No fire hazard
- Easy inspection with non-destructive method
- Safe repair without applying pressure to the structure

Disclaimer:

The data in this sheet conform to our best knowledge and experience at the date of printing, which is indicated below. The state of knowledge and experience are evolving constantly. Please pay attention therefore, that you always refer to the current version of this data sheet. The description of the product application in this sheet cannot take the special conditions and circumstances into account emerging from the individual case. Application, use and processing of our product occur outside of our control capabilities. Every time the user is obliged to check the product and auxiliary agents in terms of usefulness for his intended use. All information on this technical data sheet available is supplied by the manufacturer, Dolenco Tunnel Systems ApS, Østergade 37, DK-4050 Skibby.