



VYGEO-FP

PVC Fixing Plate for Nonwoven Geotextile (Tunnel Lining System)

DESCRIPTION

VYGEO-FP is a PVC fixing plate specifically designed for securing nonwoven geotextiles in tunnel waterproofing and lining systems.

It is used together with mechanical fasteners to fix geotextile layers onto concrete substrates before the installation of waterproof membranes (PVC/TPO).

The product provides stable anchoring, load distribution, and ensures proper positioning of the cushioning layer in tunnel applications.

BENEFITS

- Designed for tunnel lining and underground waterproofing systems
- Effectively secures nonwoven geotextile layers
- Distributes mechanical load and reduces point stress
- Compatible with PVC waterproofing membranes
- Durable and resistant to moisture and underground conditions
- Easy and fast installation
- Stable performance over long-term service life

APPLICATIONS

- Tunnel waterproofing systems
- Railway and highway tunnel linings
- Underground structures and caverns
- Foundation and basement waterproofing
- Geotextile fixing prior to membrane installation

INSTALLATION

- Position the nonwoven geotextile over the substrate
- Place VYGEO-FP on top of the geotextile at specified intervals
- Fix the plate using suitable screws or anchors into the concrete substrate
- Ensure proper spacing according to system design (typically grid layout)
- After fixing, install waterproofing membrane over the geotextile layer
- Installation should follow project specifications and be carried out by trained personnel

STORAGE & SHELF LIFE

- Store in a dry and clean environment
- Protect from direct sunlight and excessive heat
- Avoid deformation due to heavy stacking
- Shelf life: 24 months under recommended conditions

DIMENSIONS & PACKAGING

Parameter	Value
Materials	Carbon steel and PVC
Diameter of metal washer	20 mm
Thickness of metal washer	1.5 mm
Aperture of metal washer	4 mm
Outer diameter of plate	100 mm
Plate height	6 mm
Plate thickness	1.5 mm

PRODUCT IMAGES

