



VYTPO-H

Homogeneous TPO Waterproofing Membrane

DESCRIPTION

VYTPO-H are homogeneous TPO waterproofing membranes manufactured using advanced extrusion technology.

The membranes are non-reinforced and provide excellent flexibility, weldability, and chemical resistance. VYTPO-H membranes are designed for demanding waterproofing systems where high elongation and reliable long-term performance are required.

BENEFITS

- Excellent waterproofing performance
- High flexibility and elongation
- Outstanding weldability with hot-air welding
- Good resistance to chemicals and microorganisms
- Excellent durability and aging resistance
- Suitable for complex detailing and prefabrication

APPLICATIONS

VYTPO-H membranes are suitable for waterproofing applications including:

- Underground structures
- Tunnels and infrastructure
- Basements and foundations
- Water containment structures
- Waterproofing systems requiring homogeneous membranes

INSTALLATION

VYTPO-H membranes are typically installed using:

- Loose-laid systems
- Fully adhered systems

Membrane seams are welded using hot-air welding equipment to create strong and watertight joints.

Installation should be carried out by trained professionals in accordance with project specifications.

STORAGE & SHELF LIFE

Rolls should be stored in their original packaging in a dry and shaded area.

Avoid exposure to direct sunlight and moisture during storage.

Recommended storage temperature: 5°C – 30°C

Shelf life: 24 months under proper storage conditions

DIMENSIONS & PACKAGING

Parameter	Value
Thickness	1.2 / 1.5 / 1.8 / 2.0 mm
Width	2.0 m
Length	20 m
Color	White
Packaging	Rolls

TECHNICAL DATA

Property	Value				Test Method
Thickness, mm	1.2	1.5	1.8	2.0	EN 1849-2
Tensile strength (N/mm ²)	≥ 12	≥ 12	≥ 12	≥ 12	EN 12311-2
Elongation to break (%)	≥ 500	≥ 500	≥ 500	≥ 500	EN 12311-2
Tear resistance (N/mm)	≥ 60	≥ 60	≥ 60	≥ 60	EN ISO 34-1 EN ASTM D624 Angle test
Resistance to impact (mm)	≥ 450	≥ 600	≥ 700	≥ 800	EN 12691
Cold bending (°C)	≤ - 40	≤ - 40	≤ - 40	≤ - 40	EN 495-5
Hydrostatic pressure resistance (6 hours at 0,5 Mpa)	water- proof	water- proof	water- proof	water- proof	EN 1928 met. B
Resistance to artificial weathering (UV)	no surface cracking	no surface cracking	no surface cracking	no surface cracking	EN 1297
Resistance to static punching (kg)	≥ 20	≥ 20	≥ 20	≥ 20	EN 12730