VYKOL

# VYPVC-G

## Glass Fiber Reinforced PVC Waterproofing Membrane

## DESCRIPTION

VYPVC-G are glass fiber reinforced PVC waterproofing membranes manufactured using advanced extrusion technology.

The membranes incorporate a glass fiber reinforcement layer to provide excellent dimensional stability while maintaining good flexibility and weldability. VYPVC-G membranes are designed for waterproofing systems requiring stable membranes with minimal shrinkage.

## BENEFITS

- Excellent dimensional stability
- Reliable waterproofing performance
- Good weldability with hot-air welding
- UV and weather resistant
- Durable and long service life
- Suitable for large-area waterproofing systems

## APPLICATIONS

VYPVC-G membranes are designed for waterproofing applications including:

- Flat roofing systems
- Ballasted roofing systems
- Loose-laid roofing systems
- Waterproofing systems requiring stable membranes

## INSTALLATION

VYPVC-G membranes are typically installed using:

- Loose-laid systems
- Ballasted systems
- Fully adhered systems

Membrane seams are welded using hot-air welding equipment to ensure durable and watertight joints.

Installation should be carried out by trained professionals following 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

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## DIMENSIONS & PACKAGING

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

## TECHNICAL DATA

| Property | Value | | | | Test Method |
|---|---|---|---|---|---|
| Thickness, mm | 1.2 | 1.5 | 1.8 | 2.0 | EN 1849-2 |
| Tensile strength ($N/mm^2$) | ≥ 10 | ≥ 10 | ≥ 10 | ≥ 10 | EN 12311-2 |
| Elongation to break (%) | ≥ 200 | ≥ 200 | ≥ 200 | ≥ 200 | EN 12311-2 |
| Tear resistance (N/mm) | ≥ 50 | ≥ 50 | ≥ 50 | ≥ 50 | EN ISO 34-1<br>EN ASTM D624<br>Angle test |
| Resistance to impact (mm) | ≥ 450 | ≥ 600 | ≥ 700 | ≥ 800 | EN 12691 |
| Cold bending (°C) | ≤ - 25 | ≤ - 25 | ≤ - 25 | ≤ - 25 | EN 495-5 |
| Hydrostatic pressure resistance (6 hours at 0,5 Mpa) | water-proof | water-proof | water-proof | water-proof | EN 1928 met. B |
| Dimensional stability after 6 hours at 80°C (%) | ≤ 0.1 | ≤ 0.1 | ≤ 0.1 | ≤ 0.1 | EN 1107-2 |
| 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 |
| Fire resistance | E | E | E | E | EN ISO 11925-1<br>EN 13501-1 |