



## VYPVC-GF

### Glass Fiber Reinforced Fleece Back PVC Waterproofing Membrane

#### DESCRIPTION

VYPVC-GF are glass fiber reinforced PVC waterproofing membranes laminated with a nonwoven fleece backing.

The glass fiber reinforcement provides excellent dimensional stability, while the fleece backing improves compatibility with substrates and enhances adhesion performance.

VYPVC-GF membranes combine stable mechanical properties with excellent weldability and are suitable for roofing systems requiring high stability and fleece-backed installation.

#### BENEFITS

- Excellent dimensional stability
- Reliable waterproofing performance
- Glass fiber reinforcement minimizes shrinkage
- Fleece backing improves substrate compatibility
- Suitable for adhered roofing systems
- Excellent weldability with hot-air welding
- UV and weather resistant

#### APPLICATIONS

VYPVC-GF membranes are designed for waterproofing applications including:

- Fully adhered roofing systems
- Roof refurbishment projects
- Concrete roof decks
- Roofing systems requiring stable fleece-backed membranes

#### INSTALLATION

VYPVC-GF membranes are typically installed using:

- Fully adhered systems
- Adhesive bonded systems

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

Installation should be carried out by trained professionals according to 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 (excluding backing non-woven fabric) | 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/5cm)                             | ≥ 600               | ≥ 600               | ≥ 600               | ≥ 600               | EN 12311-2                   |
| Elongation to break (%)                              | ≥ 100               | ≥ 100               | ≥ 100               | ≥ 100               | EN 12311-2                   |
| Tear resistance (N)                                  | ≥ 220               | ≥ 220               | ≥ 220               | ≥ 220               | EN 12310-2                   |
| 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 |