

# INSTALLATION GUIDE - FLEECE MEMBRANES

## INTRODUCTION

The installation guide covers the following products:

- **Polyfleece SX® 1000 Wall**
- **Polyfleece SX® 1000 Wall 290**
- **Polyfleece SX® 1000 Wall Radon**
- **HyDra® Fleece Membrane**

Common for all the membranes are the chemically treated fleece fibers.

When the concrete is cast against the chemically treated fleece ensures a mechanical bond between concrete and membrane, so that the membrane becomes completely integral with the concrete ("dual bond").

The membranes are delivered in rolls of 20 meters length and comes in both 1- and 2-meters width. They can be rolled out directly on the surface, applied to the form or be post-applied.

The membranes can be post-applied by using 2K Sealing Adhesive SX1

All the membranes are delivered with double-sided tape on one side for overlaps and joints.

Installation of the membranes can happen in all weather conditions and they can be installed in temperature down to +10 °C. This does not apply if the membranes are post-applied with 2K Sealing Adhesive SX1, because this has a minimum working temperature of +5 °C.

The membranes are incredibly flexible but very durable and robust at the same time and are easily cut to size with an ordinary knife. Horizontal overlaps should be at least 100 mm and vertical overlaps should be at least 200 mm.

## PREPARATIONS TO INSTALLATION

Before installation the surface should be clean and free of sharp and pointy objects.

During installation under the slab, it is recommended to start from a corner and then install the membrane to the edges.

### Remember accessories:

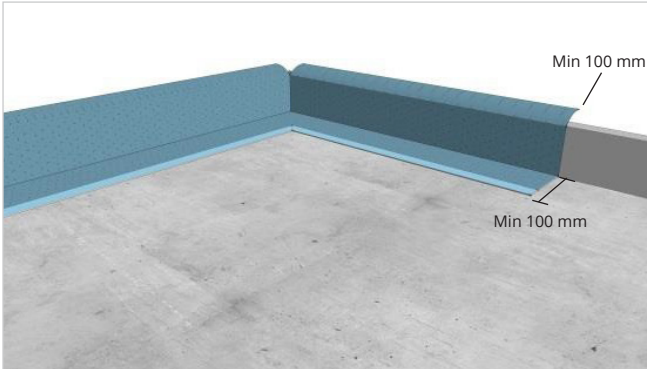
- Polyfleece tape, 75 mm L= 20 m
- Radon Fleece Alu-tape, 80 mm L= 25 m
- HyDra Swelling Paste SX100
- 2K Sealing Adhesive SX1



Polyfleece SX 1000 Wall under slab before casting 1x20 m.

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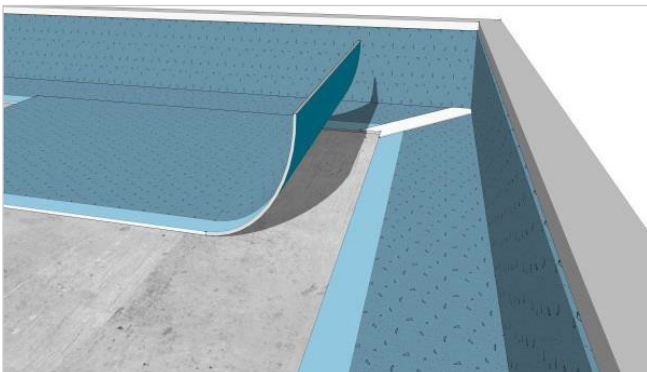
### INSTALLATION



1. Install and attach the membrane along the formwork

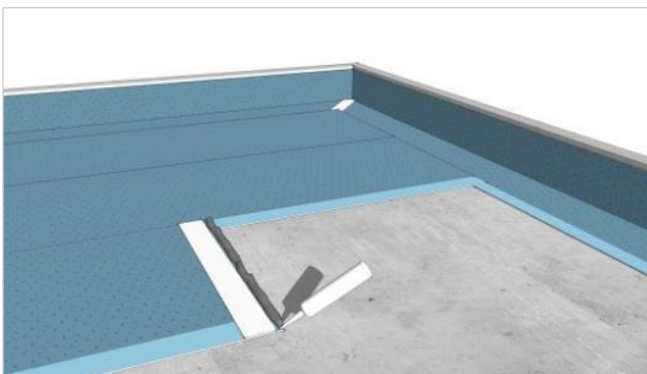
Vertical overlaps should be at least 100 mm and should be protected against dust and dirt.

Horizontal overlaps should be at least 100 mm.

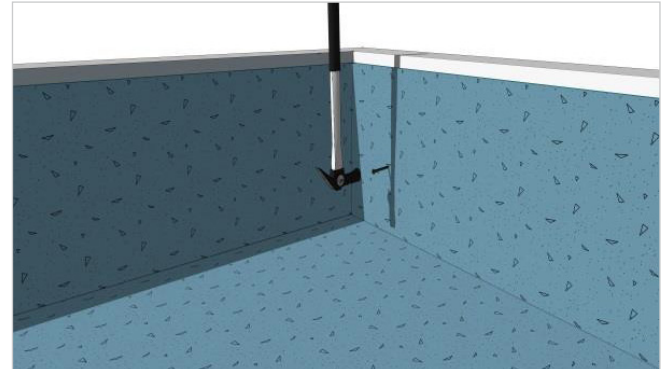


3. Corners are reinforced with Polyfleece Tape / Radon Fleece Allu-tape (the white stripe on the picture) and the membrane is applied in a straight line.

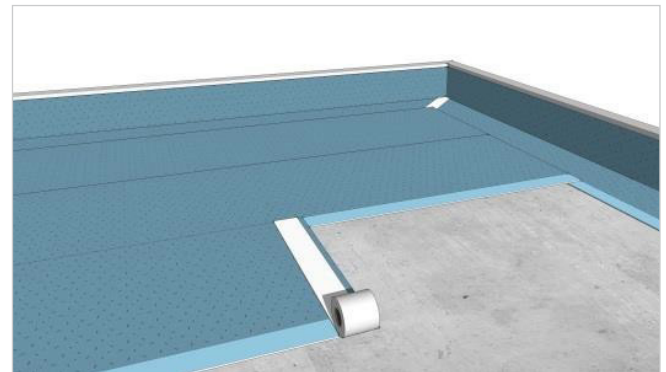
Afterwards the protective foil should be removed from the membrane and the membrane should then be pushed into the joints.



5. Crisscrossing overlaps can be supplemented with Hydra Swelling Paste SX100 if need be, e.g., wet weather.



2. The vertical membrane can be nailed to the formwork if needed. Can for instance be taped afterwards.



4. Double sided Polyfleece tape should be used at crisscrossing overlaps. Apply the tape app. 25 mm from the edge and remove the protective foil.

Apply the next roll with a minimum of 100 mm overlap.

#### **NB:**

All overlaps on the Polyfleece SX 1000 Wall Radon must be taped with Radon Fleece Alu-tape.

**If the membrane is post-applied, we refer to recommendations for 2K Sealing Adhesive SX1.**