



# ARDEX SK 100 W

## Sealing Membrane

- For topside waterproofing over floors and walls
- Interior and exterior use
- Ideal for swimming pools; just one layer required
- Use on balconies and terraces
- Easy to cut and apply
- Immediately accepts coverings
- Excellent crack bridging properties
- Alkali-proof



### DESCRIPTION

ARDEX SK 100 W Sealing Membrane a pliable, sheet applied, bonded waterproof membrane. ARDEX SK 100 W comprises a polypropylene liner that is laminated on both sides with a polyethylene film.

ARDEX SK 100 W suitable for indoor and outdoor use, for walls and floors. For waterproofing wall and floor surfaces under tile and flagstone coverings under the stresses that can emerge in shower rooms, bathhouses, shower areas above bathtubs, sanitary rooms, in swimming pools, on balconies and terraces, and in areas subject to chemical stress, e.g. commercial kitchens. Tiles can be installed directly onto ARDEX SK 100 W.

Tested according to the European Technical Approval Guideline (ETAG 022) for waterproofing walls and floors in wet areas, Part 2: Sealing Membranes.

According to the ETAG 022 guideline, Part 2, the tested "system" comprises the ARDEX SK 100 W Sealing Membrane and the following system products:

- ARDEX X 77 MICROTEC Flex adhesive
- ARDEX 8+9 I Two-component sealing compound
- ARDEX CA 20 P SMP assembling adhesive
- ARDEX SK 12 TRICOM Sealing tape 120
- ARDEX SK-W TRICOM Sealing collar 120 x 120
- ARDEX SK-F TRICOM Sealing collar 425 x 425
- ARDEX SK 90 TRICOM Inside corner 90 °
- ARDEX SK 270 Outside corner 270 °



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**ETA-11/0282**  
**0761-CPD-0249**  
**ETAG 022-2**

**70293 ARDEX SK 100 W**  
**ETAG 022-2: Assessment Category II**

Watertight covering kits based on flexible sheets for walls and floors in interior wet rooms exposed to temperatures between 5°C and 40°C installed beneath a wearing surface

Crack bridging ability	: Assessment Category 3: 1.5 mm
Bond strength	: Assessment Category 2: $\geq 0.3$ MPa
Joint bridging capability	: Assessment Category 2: watertight
Watertightness around penetrations	: Assessment Category 2: watertight
Resistance to temperature	: resistant to temperature
Resistance to water	: Assessment Category 2: $\geq 0.3$ MPa
Resistance to alkalinity	: Assessment Category 2: resistant to alkalinity (50°C/ 16 weeks)
Release of dangerous substances:	: NPD

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## Sealing Membrane

### SUBSTRATE PREPARATION

The substrate must be clean, sound, solid and suitable for the installation of tiles and slabs. Fill all cracks, holes and low spots should be repaired with suitable ARDEX products.

It must be made level enough to allow the ARDEX SK 100 W sealing membrane to be laid void free. Any necessary filling and levelling work should be performed with ARDEX wall or floor filler compounds before laying ARDEX SK 100 W.

### ADHERING SEALING MEMBRANE WITH ARDEX X 7 G MICROTEC, ARDEX FB 9 L or ARDEX 8+9

Cut the sealing membranes to size with scissors or a cutting knife before laying them. After cutting the sealing membrane, comb the ARDEX X 7 G MICROTEC or ARDEX FB 9 L onto the laying substrate with a pad with 3 mm notches – or, in the case of a rough substrate, 4 mm teeth. Then, lay the cut sealing membrane on the still-fresh adhesive mortar. Press on and scrape the membrane with a smoothing trowel so that no air pockets remain under the membrane.

It is recommended that this process be performed from the middle of the membrane to the edges. The individual membranes should be placed very close together. Go over the joint areas with ARDEX SK 12 TRICOM sealing tape, 120. For this, comb on ARDEX 8 + 9 sealing-compound and sealant adhesive with a 3-mm notched pad, embed the sealing tape in the still-fresh adhesive mortar and scrape with the smoothing trowel to remove any air bubbles under the sealing tape.

Reseal the membranes that are touching each other in the wall / floor and wall / wall corner areas as described above with ARDEX SK 12 TRICOM sealing tape. Embed the inner and outer corners of the ARDEX TRICOM sealing set into the corners with ARDEX 8 + 9 first. Seal existing penetrations and floor drains with the sealing or expansion zone collars specified in the ARDEX TRICOM sealing set in conjunction with ARDEX 8 + 9 as described above. If there are pipe penetrations, fill the connection area with ARDEX CA 20 P. Then embed the sealing collar directly with ARDEX 8 + 9. In the joint area, overlap the sealing tape, corners and collars at least 5 cm at the penetrations.

### ADHERING SEALING MEMBRANE WITH ARDEX 8+9

When adhering the sealing membrane with ARDEX 8 + 9, the individual membranes can also be overlapped together.

For this, apply ARDEX 8 + 9 with a 3 mm notched trowel to the substrate and to the planned minimum 5 cm overlap area, making sure there is complete coverage. When laying whole membranes, the distance marks (found approximately 6 cm from the border) can be used as a guide for the minimum overlap. Perform any additional work, such as forming the edge joints and penetrations, as described above.

Higher temperatures will shorten the drying and processing times of the "Sealing System", and lower temperatures will lengthen them. The work can be performed at temperatures between +5 °C and +30 °C.

### LAYING TILES AND FLAGSTONE SLABS

Tiles and flagstones can be placed in the wall area immediately after the sealing has been completed. In the floor area, ARDEX 8 + 9 must be allowed to harden for approximately 2 hours, and ARDEX X 7 G for approximately 1 day.

The following are suitable for applying and laying tiles and flagstones:

- ARDEX X 7 G MICROTEC flex adhesive
- ARDEX FB 9 L Pourable bed mortar
- ARDEX Marble & Granite Adhesive
- ARDEX WA Epoxy adhesive

Observe the instructions for use and processing in the technical data sheets.

### TECHNICAL DATA ACCORDING TO ARDEX QUALITY STANDARDS

Color	White with grey drop pattern
Membrane width:	approx. 1.0 m
Fracture strain lengthwise:	82.5 % at 99.8 N/ 15 mm
Fracture strain crosswise:	73.7 % at 46.5 N/ 15 mm
Total thickness:	0.51 mm
Total weight:	315 g/m <sup>2</sup>
Burst load:	3.0 bar
Crack bridging:	> 0,4 mm
Adhesive tensile strength:	> 0,2 N/ mm <sup>2</sup>
SD value:	> 85 m
UV resistance:	< 500 hours
Identification as per GHS/CLP:	none
Identification as per ADR:	none
Packaging:	carton with 1 roll each Roll length: 30 m or 10 m
Storage and shelf life:	in a cool, dry space. in original packaging, approx. 24 months

### NOTES

FOR PROFESSIONAL USE ONLY.

ARDEX SK 100 W cannot be used to replace primary waterproofing of the building.