



COE: Witten  
CP: Hä  
date: 26.03.10

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# ARDEX SK 100 W

## TRICOM Sealing Membrane

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Sealing of wall and floor areas in the interior and exterior, in swimming pools, on balconies and terraces prior to the installation of tiles and slabs.

Impermeable

Crack bridging

To achieve a evenly thick layer

Alkaline resistant

Easy to apply and cut

Time saving for subsequent work.

To be used as a bonded membrane.

Fulfills the European ETAG 022 norm for bonded membranes for walls and floors in permanent wet areas part 2: Sealing membranes in for high loads in permanent wet areas of the classes A1,A2, B and C. Also fulfills the norms for membranes for the installation of tiles and slabs. Also fulfills the classes A,B, C A0 and B0 according to ZDB



Reg. Nr. 37344

Hersteller  
mit zertifiziertem QM-  
System nach DIN EN  
ISO 9001

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ARDEX GMBH

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### Areas of application:

Interior and exterior, wall and floor.

Sealing of wall and floor areas underneath tiles and slabs which are used in shower areas, bathrooms, bathtubs, sanitary rooms, swimming pools, balconies and terraces, as well as chemically high load areas such as commercial kitchens etc.

Fulfills the European ETAG 022 Norm for sealing works for wall and floor areas and in permanent wet areas.

Fulfills the requirements of a waterproofing membrane in high load wet areas classes A1, A2, B and C for sheet membranes part 2.

Fulfills the requirements according to ZDB for the classes A,B, C, A0 and B0.

According to the ETAG 022, part 2, the examined system has to be applied together with the following system products:

- ARDEX X 77 MICROTEC Flexkleber
- ARDEX 7 + 8 Dichtkleber
- ARDEX CA 20 P SMP-Montagekleber
- ARDEX SK 12 TRICOM Dichtbahn 120
- ARDEX SK-W TRICOM Dichtmanschette 120 x 120 mm
- ARDEX SK-F TRICOM Dichtmanschette 425 x 425 mm
- ARDEX SK 90 TRICOM Innenecke 90°
- ARDEX SK Außenecke 270°
- ARDEX SK-G TRICOM Rohrkragenmanschette (tiefgezogen) 350 x 350 mm
- ARDEX SK-R TRICOM Dehnzonenmanschette 200 x 200 m
- ARDEX SK-S TRICOM Dehnzonenmanschette 150 x 150 mm
- ARDEX SK-B Dichtring 100 x 200 mm

### Type:

ARDEX SK 100 W is made out of a double sided laminated Polypropylene fleece with a Polyethylene foil.

### Substrate preparation:

The substrate must be dry, firm, load bearing and free from release agents and should be suitable for the installation of tiles and slabs.

The floor should be sufficiently leveled to achieve a void free installation of the membrane.

Subsequent leveling works should be done with ARDEX Wall and Floor leveling compounds. If necessary please use also the recommended ARDEX primers.

### Application:

If necessary the substrate has to be primed with the corresponding ARDEX primer.

**To adhere the membranes ARDEX X 77 MICROTEC Adhesive or ARDEX 7 + 8 Sealing adhesive must be used.**

The membranes are cut prior to the installation with scissors or a knife. After cutting the membrane has to be installed with ARDEX X 77 or ARDEX 7+8 with a 3 mm notched trowel. On a rough substrate a 4 mm notched trowel can be used. The membrane has to be installed by pressing it firmly with the smooth side of the trowel into the wet compound, air bubbles have to be avoided. It is recommended to start in the center with movements towards the edges of the membrane with the pressing. The membranes have to be butt jointed.

Rework the butt joint with ARDEX SK12 TRICOM, sealing tape 120. Apply the ARDEX 7 + 8 onto top of the butt joint with a 3 mm notch trowel than apply the sealing tape and press it firmly into the fresh sealing compound. Pay attention that now air is entrenched.

Corner details have to be done as described above with the ARDEX SK 12 Sealing tape. Please install the detailing corner tapes with ARDEX 7+8 prior to the installation of the sealing tape.

Intersections and base outlets have to be sealed with the ARDEX TRICOM sealing kit for the installation use ARDEX 7+8 as described above. In case of tubes the connections has to be done with ARDEX CA 20P. Than ARDEX 7+8 has to be applied to fix the sealing set.

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Please make sure to work with an overlap of minimum 5 cm in corners and butt joints.

### Installation of the membrane with ARDEX 7 + 8:

If the membrane will be installed with ARDEX 7 + 8 the membranes can be installed with an overlap

ARDEX 7 + 8 is installed with a 3 mm notched trowel onto the substrate and minimum 5 cm overlap. If the whole width of the membranes will be used markers are placed at 6 cm of the outer side.

All the other steps have to be done as described above.

Higher temperatures shorten; lower temperatures lengthen the installation time of the sealing system. The system can be applied at temperatures between +5°C and +30°C

### Installation of tiles and slabs:

The installation of tiles and slabs onto wall areas is possible after the membrane has been applied. The installation of tiles and slabs on the floor can be done after hardening of the subsequent adhesive, in case of the ARDEX 7 + 8 after approx. 2 hours in case of ARDEX X 77 the following day.

For the installation of tiles and slabs the following products can be used:

- ARDEX X 77 MICROTEC Flexkleber
- ARDEX X 77 S MICROTEC Flexkleber, schnell
- ARDEX X 78 MICROTEC Flexkleber, Boden
- ARDEX X 78 S MICROTEC Flexkleber, Boden, schnell
- ARDEX X 7 G Plus Flexmörtel
- ARDEX X 7 G FLEX Flexmörtel
- ARDEX DITRA FBM Fließbettmörtel
- ARDEX X 32 Flexibler Verlegemörtel
- ARDEX S 27 MICROTEC Natursteinkleber

- ARDEX S 28 MICROTEC Natursteinkleber, Boden

Please observe the recommendations in the respective technical data sheets

### Pay attention to the following:

The use of ARDEX SK 100 does not substitute waterproofing works acc. to DIN 18195 for example in terraces above inhabited areas.

If in doubt invest in trials.

### Technical data

#### According to ARDEX quality standards:

Color:	white with design
Width:	approx. 1,0 meter
Elongation lengthwise:	82,5 % at 99,8 N/15mm
Elongation crossways:	73,7 % at 46,5 N/15mm
Thickness:	approx. 0,51 mm
Weight:	approx. 315 g m <sup>2</sup>
Pressure resistance:	3,0 bar
Crack bridging :	0,4 mm
Tensile bending strength:	0,2 N/mm <sup>2</sup>
Working temperature:	-5°C to +30°C
Temperature resistance:	- 35°C - + 90°C
UV-Resistance:	< 500 hours
Packing:	Carton with 1 coil, 10 m or 30 m length
Storage:	Has to be stored upright, cool, protect from frost and sunlight,

**In original packing, the product can be stored for about 24 months in dry rooms.**

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We assume the warranty for the perfect quality of our products. Our handling recommendations are based on trials and practical experience; they can, however, only be regarded as general advice without a quality warranty, as we have not influence on work site conditions and the execution of the work.

Country specific recommendations, depending on local standards, codes of practice, building regulations or industry guidelines, may effect specific installation recommendations

# **ARDEX SK 100 W**

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