



ARDEX 8+9 L

Sealing compound and sealing adhesive

- Composite sealing under tiles and slabs in indoor and outdoor areas
- Brushable and spatula-applicable
- Solvent-free
- Long working time
- Tough
- Deformable
- Crack bridging
- Complies with the requirements of ÖNORM EN 14891



Area of application

Indoor and outdoor. Walls and floors.

Waterproofing of wall and floor areas under tiles and slab coverings subject to stresses such as those occurring in shower rooms, bathrooms, shower areas above bathtubs and sanitary rooms in public and commercial areas with floor gullies. In a trowelable consistency, also for levelling unevenness.

Sealing adhesive for laying ARDEX SK 100 W waterproofing membrane indoors and outdoors, in swimming pools, on balconies and terraces in combination with the ARDEX SK TRICOM sealing set.

Suitable for moisture exposure classes W1, W2, W3, W4, W5 and W6 (according to ÖNORM B 3407).

Art

ARDEX 8 + 9 L consists of the solvent-free ARDEX 8 acrylic dispersion with a specific weight of approx. 1.0 kg per litre and ARDEX 9 L reactive powder based on cement with a bulk density of approx. 1.2 kg/litre.

The two components are mixed together prior to use.

When hardened, ARDEX 8 + 9 L composite sealing is waterproof and highly flexible; does not discolour silicone joint compounds.

Preparation of the surface

The substrate surface must be dry, solid, load-bearing and free of release agents.

Substrates made of chipboard must be suitable for receiving a tile covering. The chipboard must be of type P 5, of sufficient thickness, tongue-and-groove jointed and rigidly fixed.

Gypsum plaster must be solid, dry, single-layered at least 10 mm thick, not felted and smoothed.

The penetration of moisture from the substrate, for example via an exterior wall, must be prevented. The structural conditions must therefore be checked before the sealing measure is carried out.

When used as a sealing adhesive: gypsum plaster, gypsum wallboards, gypsum fibre boards and calcium sulphate screeds must be pre-coated with ARDEX P 51, diluted 1:3 with water.

Mixing

When used as a sealing compound:

ARDEX 8 + 9 L can be **adjusted to a spreadable and brushable consistency**.

The composite sealing compound must always be mixed to a **trowelable consistency** first, also to form corner joints, wall connections, etc.

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The mixing ratio is:

- 8.75 kg ARDEX 8 acrylate dispersion
+ 12.5 kg ARDEX 9 L reactive powder

To achieve a **brushable consistency**, the remaining ARDEX 8 acrylate dispersion is then stirred in.

The mixing ratio is:

- 8.75 + 3.75 = 12.5 kg ARDEX 8 acrylic dispersion
+ 12.5 kg ARDEX 9 L reactive powder

When used as a sealing adhesive:

ARDEX 8 + 9 L can be mixed **to a trowelable consistency** for filling holes and depressions and to an adhesive consistency for laying ARDEX SK 100 W TRICOM sealing membrane.

The sealing adhesive must always be mixed to a **trowelable consistency** first.

To achieve the adhesive consistency, add approx. 0.75 litres of ARDEX 8 is added and mixed thoroughly.

The mixing ratio is:

- **Spreadable consistency**
12.5 kg ARDEX 9 L reactive powder
+ 8.75 kg ARDEX 8 acrylate dispersion or
- **Adhesive consistency**
12.5 kg ARDEX 9 L reactive powder
+ 10.62–12.5 kg ARDEX 8 acrylate dispersion

Processing

When used as a sealing compound:

Only mix as much composite sealing compound as can be used within 60 minutes. Do not add ARDEX 8 Acrylate Dispersion to composite sealing compound that has started to set. ARDEX 8 + 9 L can be applied with a smoothing trowel, brush or lambskin roller.

When mixed to a trowelable consistency, ARDEX 8 + 9 L can be used to form corner joints (coving), fill holes and depressions and level out uneven areas.

Then seal any connections, corners, edge joints, expansion joints and penetrations that are prone to cracking with ARDEX SK TRICOM sealing set.

Existing floor gullies must be sealed with suitable seal collars. To do this, apply ARDEX 8 + 9 L generously to the relevant areas and stick the sealing tape or seal collar into the fresh application.

Then apply the first coat of the sealing compound to the wall and floor areas. For very rough substrates, it is recommended to apply the sealing compound with a smoothing trowel.

The second coat can be applied after approx. 60 minutes.

To create a waterproof protective layer, at least two paint coatings with a total dry film thickness of at least 0.8 mm are required. When applied in a trowelable consistency, a minimum dry film thickness of 2 mm must be achieved.

Sealing tapes, seal collars and glass fibre mesh should be completely covered with the second coat or smoothed over and integrated into the sealing layer.

When used as a sealing adhesive:

Only mix as much sealing adhesive as can be used within 60 minutes. Do not add ARDEX 8 acrylate dispersion to sealing

adhesive that has started to set. ARDEX 8 + 9 L is applied with a notched trowel, on smooth substrates with a 3 mm block notches, on rough substrates with 4 mm block notched trowel.

The installation areas should only be large enough that the ARDEX SK 100 W sealing membrane can be laid into the fresh adhesive bed within the approx. 15–20 minutes. Press down with the smooth side of the notched trowel and work in. Avoid air pockets.

When applying and processing ARDEX SK 100 W waterproofing membrane, observe the instructions in the Technical Data Sheet for ARDEX SK 100 W.

In the area of the sealing tape joints, corner joints and penetrations, ARDEX 8 + 9 L is then applied with a 3 mm notched trowel. The ARDEX TRICOM sealing tapes, corners and collars are embedded in the fresh sealing adhesive and smoothed with a smoothing trowel.

The sealing tapes, corners and collars are then smoothed over the entire surface with ARDEX 8 + 9 L and integrated into the sealing layer.

Higher temperatures shorten the drying time, lower temperatures prolong it.

ARDEX 8 + 9 L sealing compound and sealing adhesive must be applied at temperatures between +5 °C and +30 °C.

Laying tiles and slabs

Tiles and slabs can be laid on ARDEX 8 + 9 L approx. 2 hours after the waterproofing measures have been completed.

All thin-bed mortars in the ARDEX product range are suitable for fixing and laying tiles and slabs. The application and processing instructions in our respective Technical Data Sheets must be observed.

For substrates that are still shrinking or other substrates that are prone to deformation, such as building boards, as well as for fixing porcelain tiles and in areas subject to high loads, we recommend the use of flexible thin-bed mortars.

The products in the ARDEX natural stone system are suitable for the discolouration-free installation of marble and other moisture-sensitive natural stones in interior areas.

For outdoor use, on balconies and terraces, use ARDEX FB 9 L Flexible pourable bed mortar, long, ARDEX X 32 Flexible laying mortar, ARDEX X 78 MICROTEC Flex adhesive or ARDEX X 90 MICROTEC3 Flex adhesive.

For outdoor use

Waterproofing and protection of the substrate against moisture penetration and efflorescence on terraces and balconies under tile and slab coverings. Suitable substrates are cement screeds and concrete.

Terraces in contact with the ground must be laid on an anti-capillary layer.

A sufficient slope ($\geq 2\%$) must be provided to prevent standing water in the long term.

Please note

Building waterproofing in accordance with DIN 18195 or ÖNORM

B 3691/ÖNORM B 3692, as required, for example, for

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terraces above inhabited rooms, cannot be replaced with ARDEX 8 + 9 L.

In areas subject to high loads, e.g. in swimming pools or areas subject to chemical stress, such as commercial kitchens, dairies, breweries, etc., waterproofing measures (e.g. ARDEX SK 100 W TRICOM waterproofing membrane) must be carried out.

For commercial use only!

Zusatzinformation

Handle with care during processing: avoid dust formation and release into the environment.

Dispose of the container and its contents in a sealed state in accordance with applicable local/regional/national/international regulations.

Note

The information in our safety data sheets must be observed.

Technical data according to ARDEX quality standard

Mixing ratio approx.	Component A 12.5 kg acrylate dispersion 8.75 kg acrylate dispersion 12.5 kg acrylate dispersion	Component B 12.5 kg powder 12.5 kg powder 10.62 - 12.5 kg powder	Consistency Coatable Spatula-applicable Spreadable (adhesive consistency)		
Material requirement approx.	Component A 0.75 kg acrylate dispersion 1.2 kg acrylate dispersion 0.4 kg acrylate dispersion 0.6 kg acrylate dispersion	Component B 0.75 kg powder 1.6 kg powder 0.6 kg powder 0.8 kg powder	Consumption 1.5 kg/m² 2.8 kg/m² 1.0 kg/m² 1.4 kg/m²	Condition 2 paint coatings, minimum dry film thickness 0.8 mm 2 coats, minimum dry film thickness 2 mm On smooth substrates, teeth 3 x 3 x 3 mm On smooth substrates, teeth 4 x 4 x 4 mm	Consistency Coatable Spatula-applicable Sealing adhesive Sealing adhesive
Fresh weight	Consistency Spreadable (adhesive consistency) Spatula-applicable	Fresh weight approx. 1,30 kg/l 1,40 kg/l			

Application properties

Processing time approx. 60 Minute(s)

Can be walked on after approx. 2 Hour(s)

Application Ambient conditions +20°C

Product details

Labelling according to GHS/CLP	Labelling according to GHS/CLP See relevant safety data sheet See relevant safety data sheet	Component Acrylic dispersion Powder
Labelling according to ADR	Component Acrylic dispersion Powder	Labelling according to ADR See relevant safety data sheet See relevant safety data sheet
EMICODE	EC 1 PLUS = very low emissions PLUS	
Packaging	ARDEX 8 Acrylate dispersion: Canisters containing 5 kg, 12.5 kg and 25 kg net weight powder: Bags containing 12.5 kg net weight	
Storage	Can be stored in dry rooms for approx. 12 months in the original sealed container. Store in a frost-free place. Seal opened containers tightly.	

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ARDEX Baustoff GmbH Hürmer Straße 40 A-3382 Loosdorf Austria	
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4682	
EN 12004:2007+A1:2012	
ARDEX 8 + 9 L Improved fast setting highly deformable cementitious adhesive with extended open time for internal and external tiling EN 12004:C2FE-S2	
Fire class:	E
Initial tensile adhesion strength:	$\geq 1.0 \text{ N/mm}^2$
Early tensile adhesion strength after 6 hours:	$\geq 0.5 \text{ N/mm}^2$
Tensile adhesion strength after water immersion:	$\geq 1.0 \text{ N/mm}^2$
Tensile adhesion strength after heat ageing:	$\geq 1.0 \text{ N/mm}^2$
Tensile adhesion strength after freeze-thaw cycles:	$\geq 1.0 \text{ N/mm}^2$
Release of dangerous substances:	See material safety data sheet

	
0370	
ARDEX Baustoff GmbH Hürmer Straße 40 A-3382 Loosdorf Austria	
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4682A	
EN 14891:2012	
ARDEX 8 + 9 L Cementitious liquid-applied water impermeable product with improved crack bridging ability at very low temperature (-20 °C) and resistant to contact with chlorinated water (bonded with a C2 adhesive in accordance with EN 12004) EN 14891:CM O2P	
Initial tensile adhesion strength:	$\geq 0.5 \text{ N/mm}^2$
Tensile adhesion strength after water contact:	$\geq 0.5 \text{ N/mm}^2$
Tensile adhesion strength after heat ageing:	$\geq 0.5 \text{ N/mm}^2$
Tensile adhesion strength after freeze-thaw cycles:	$\geq 0.5 \text{ N/mm}^2$
Tensile adhesion strength after contact with lime water:	$\geq 0.5 \text{ N/mm}^2$
Waterproofing:	no penetration
Crack bridging ability in standard conditions:	$\geq 0.75 \text{ mm}$
Release of dangerous substances:	See material safety data sheet