ARDEX S8 FLOW

Self-levelling sealant

Waterproofing under tiles and slabs for floor surfaces indoors, outdoors and in swimming pools.

Comes in powder form, made up of a single component and odourless

Outstanding flowing and smoothing properties

Long flowing time

Easy to spread and use with a trowel

Can be worked whilst upright

Processing is both fast and economical due to its self-levelling properties

Flexible

Crack bridging capabilities

Permeable for vapour diffusion

Water pressure-tight by up to 5 bar

Also suitable for sloped surfaces

Suitable for coating layers up to 5 mm thick

Manufacturer certified according to

EN ISO 9001 and EN ISO 14001.

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ARDEX S8 FLOW
Self-levelling sealant

Scope of application:

Indoors and outdoors. Floors.

Sealing floor surfaces covered by tiles and slabs when they are subject to strains, such as those strains which occur on balconies and terraces, in swimming pools, shower rooms, bath and shower areas, washrooms, and in public and commercial areas with floor drainage.

Bonded sealing underneath tiles and slabs. Suitable for the humidity classes W1, W2, W3, W4, W5 and W6 according to ÖNORM B 3407.

For levelling out uneven surfaces with layers up to a total of 5 mm thick.

The following substrates are suitable:

Concrete, cement screed, calcium sulphate flowing screed, dry screeds, old tile and slab surfaces (whet glazed and polished surfaces), heated screeds and other suitable substrates.

Type:

Powder with special cement, bulking agents, special additives and synthetic materials to make the product flexible.

A smooth and self-levelling grout is produced when mixed with water. This solidifies through this hydration, then dehydration, process.

The solidified sealing layer is sustainably waterproof and flexible.

Preparing and substrate:

The substrate can be either dry or wet, however it must be firm, stable and free from dust and separating agents.

A base coat of ARDEX P 51 bonding and priming dispersion diluted with water at a ratio of 1 : 3 should be applied to gypsum substrates and absorbent or polished calcium sulphate screeds.

Mixing:

The ratio to mix a self-levelling consistency is 15 kg powder: 3.3 l water. A basket agitator or circular mixer turning at a minimum of 650 rpm are both suitable for mixing the product. Mixing the grout once again after it has been left to mature for a period of 1–2 minutes can improve its processing quality.

Working:

Only mix as much sealing agent as can be processed within 30 minutes. Sealing agent that has begun to solidify should not be diluted with water.

ARDEX S8 FLOW should be initially spread onto porous and very absorbent substrates by pressing down hard with the smooth side of a toothed trowel. In this fashion, sealing agent fills pores and cavities, meaning it is not possible for any subsequent imperfections to appear. After applying the grout, it is worked with a 4mm serrated block.

ARDEX S8 FLOW can be spread easily with a trowel and flows in such a way that, generally speaking, it is unnecessary to skim over or smooth out the surface. The grout can be spread out with a squeegee in order to ensure that large surface areas are even, with layers that are a maximum of 5mm thick. Using a spiked roller while the surface is still wet can produce a flawless finish.

Less water can be added when the mixture is being spread onto sloped surfaces (max. 3 % gradient).

It is always necessary to apply at least two coats with a trowel in order to produce a water-proof protective layer.

When the first layer has sufficiently solidified, apply a second layer of ARDEX S8 FLOW and smooth this out once again.

As described above, the material should be applied with either a serrated block or squeegee. It is generally recommended to check the thickness of the coating at various locations whilst the sealing agent is still in a workable condition. In order to do so, the wet film layer should be at least 1.2 mm thick per coating.

Joint sealing tape and sleeves should be stuck onto the first coating of ARDEX S8 FLOW.

The time for solidifying and processing are reduced when the temperature is high and prolonged when the temperature is low.

ARDEX S8 FLOW should be processed in temperatures of over +5 °C.

Laying tiles and slabs:

Tiles and slabs can be laid onto ARDEX S8 FLOW approx. 4 hours after the waterproofing work has taken place.

Any thin-bed grout from the ARDEX range is suitable for placing and laying tiles and slabs. Please note the advice for application and processing contained in each of our technical data sheets.

We recommend using flexible thin-bed grout for substrates that are still receding, or those substrates that have a tendency to deform, such as structural panels. We also recommend this type of grout when laying fine stoneware tiles, as well as for those areas under high levels of strain.

Products from the ARDEX natural stone system are suitable for laying marble and other natural stones whilst avoiding discolouration.

Use ARDEX FB 9 L flexible flow-bed grout, long, ARDEX X 32 flexible laying mortar or ARDEX X 90 *OUTDOOR* for outdoor areas, such as balconies and terraces.

Please note the advice for application and processing contained in the technical data sheets.

To be observed:

ARDEX S 8 FLOW cannot replace waterproofing buildings according to DIN 18195 and ÖNORM B 3691/ÖNORM B 3692, as is mandatory for terraces above occupied rooms.

Measures should be taken to ensure areas under high stress are sealed (e.g. with ARDEX SK 100 W TRICOM sealing sheet), such as swimming pools, or areas exposed to chemical strains, commercial kitchens, dairies and breweries, for example.

If case of doubt, carry out some trial works.

Note:

Contains cement. Causes skin irritation and serious eye damage. Must not get into the hands of children. Wear protective gloves and eye protection. Do not let it get into the eyes, or on skin or clothes.

IF IT COMES INTO CONTACT WITH EYES: carefully rinse with water for several minutes. Remove any contact lenses if possible. Continue to rinse. If eye irritation persists: seek medical advice/consult a doctor.

Store in a dry location. Dispose of the contents/container in line with local/regional/national/international regulations.

If the product is swallowed, seek immediate medical advice, showing the packaging/label.

GISCODE ZP1 = product contains cement, low in chromate.

Technical Data according to ARDEX quality standard:

Mixing ratio:	Approx. 15 kg ARDEX S 8 FLOW powder: 3.3 l water
Fresh weight of the mortar:	Approx. 1.6 kg/l
Amount of material needed (for a dry layer 1 mm in thickness):	Approx. 1.5 kg powder per m^2
Working time (+20 °C):	Approx. 30 minutes
Walkability (+20 °C):	Approx. 4 hours
Marking according to GHS/CLP:	GHS05 “corrosive” Signal word: danger
Marking according to ADR:	None
Packaging:	Bags holding 15 kg net weight
Storage:	If unopened, can be stored in a dry location for up to 6 months. Make sure any opened containers are well resealed.

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EN 14891:2012

ARDEX S8 FLOW
Waterproof cement product for liquid processing, with improved crack bridging abilities after exposure to very low temperatures (−20 °C), as well as being durable after coming into contact with chlorinated water (bonded with C2 adhesive as per EN 12004)
EN 14891:CM O2P

Adhesive tensile strength from the outset:	≥ 0.5 N/mm²
Adhesive tensile strength after coming into contact with water:	≥ 0.5 N/mm²
Adhesive tensile strength after thermal aging:	≥ 0.5 N/mm²
Adhesive tensile strength after being exposed to frost/thaw cycles	≥ 0.5 N/mm²
Adhesive tensile strength after coming into contact with lime water:	≥ 0.5 N/mm²
Water impermeability:	Waterproof and ≤ 20 g increase in mass
Crack bridging under normal conditions:	≥ 0.75 mm
Adhesive tensile strength after coming into contact with chlorinated water	≥ 0.5 N/mm²
Crack bridging after beign exposed to very low temperatures (-20 °C)	≥ 0.75 mm

12/2016/BZ/GB