



CI/SfB

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PRODUCT DATA SHEET

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# ARDEX S 1-K

## Ready Mixed Waterproof Coating

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### Features

A flexible waterproof protection coat for use on backgrounds prior to tiling in domestic kitchens, showers and bathrooms

Ready mixed for added convenience and simplicity

Ideal for domestic kitchens, showers and bathrooms

One component

Easy to apply

Solvent free

Non drip

Can be applied with a roller or a brush

Available in 8kg and 16kg tubs

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# ARDEX S 1-K

## Ready Mixed Waterproof Coating

### USE

Internal, wall and floor. Sealing, wall and floor surfaces beneath ceramic tiles and natural stones for areas such as domestic and hotel bathrooms, shower areas and floors with a suitable drain outlet.

### DESCRIPTION

ARDEX S 1-K Ready Mixed Waterproof Coating is a ready mixed, solvent free dispersion with special fillers and additives. ARDEX S 1-K Ready Mixed Waterproof Coating is easy to work, has a supple, paste-like consistency, does not splash or drip, is water-resistant and highly flexible when dry.

### PREPARATION

Surfaces must be dry, rigid, sound and free of oil, dust, dirt or other barriers to adhesion. Concrete and cement and sand screeds should be at least 6 weeks and 3 weeks old respectively. Gypsum plaster must be dry, at least 4 weeks old and of adequate strength to support the tile bed. Substrates made of gypsum as well as anhydrite screeds must be primed with ARDEX P 51 Primer, diluted 1:3 with water and left to dry.

Any boarded background on walls must be of a type suitable to support ceramic tiles, rigidly and securely fixed with closely spaced screws to comply with the appropriate requirements of BS 5385.

**NOTE:** Moisture sensitive backgrounds should be protected from moisture ingress from behind i.e. external walls should be of a cavity type or suitably protected solid single skin construction.

### APPLICATION

ARDEX S 1-K Ready Mixed Waterproof Coating can be worked with a smoothing trowel, paint brush, water brush or suitable short-pile roller.

Where joints tend to crack, they should be reinforced with the self adhesive ARDEX Mesh Scrim, applied onto the background prior to applying the ARDEX S 1-K Ready Mixed Waterproof Coating. Any reinforced joints, gaps around fixtures, pipes etc., should be treated with an initial layer of ARDEX S 1-K Ready Mixed Waterproof Coating prior to the two coat application. The first surface coat of ARDEX S 1-K Ready Mixed Waterproof Coating is applied to the wall and floor surfaces.

ARDEX S 1-K Ready Mixed Waterproof Coating should be applied at a constant thickness. With very rough substrates it is advisable to apply ARDEX S 1-K Ready Mixed Waterproof Coating by means of a smoothing trowel. The drying time of ARDEX S 1-K Ready Mixed Waterproof Coating depends on its thickness, the substrate absorbency and site conditions.

At 20°C the second layer of ARDEX S 1-K Ready Mixed Waterproof Coating can be applied after approximately 2 hours and with floor surfaces, as soon as the first coat can be subjected to foot traffic without damaging the surface.

Higher temperatures and low air humidity will shorten, whilst lower temperatures and high air humidity will lengthen the drying time.

ARDEX S 1-K Ready Mixed Waterproof Coating should always be applied thickly in two layers so that a total thickness of both dried layers of at least 0.5mm is guaranteed with a total consumption of at least 1.1kg/m<sup>2</sup>.

The second coat of ARDEX S 1-K Ready Mixed Waterproof Coating should ensure that any mesh scrim used at joints is completely covered.

ARDEX S 1-K Ready Mixed Waterproof Coating must be used at temperatures between 5°C and 30°C.

Tiling may commence after the second sealing layer is dry - at least 12 hours at 20°C.

### TILE FIXING

Bed the tiles, mosaics, etc., using a thin solid bed fixing technique with the appropriate ARDEX or ARDEX-FLEX cement-based adhesive. Where the background consists of wood-based sheets and boards, or where glass mosaics and highly vitrified tiles with smooth, dense and non-absorbent back profiles are to be fixed, it will be necessary to incorporate ARDEX E 90 Admix in the ARDEX cement-based adhesives or alternatively use the appropriate ARDEX-FLEX adhesive. See the relevant data sheets for further information.

**NOTE:** ARDEX S 1-K Ready Mixed Waterproof Coating is designed for moderately wet areas i.e. domestic type

locations. For commercial locations we recommend the use of ARDEX WPC Flexible, Rapid Drying and Setting Waterproof Coating.

**NOTE:** Physiologically and ecologically safe when in a set state.

### COVERAGE

An 8kg tub of ARDEX S 1-K Ready Mixed Waterproof Coating will cover approximately 7.2m<sup>2</sup>, while the 16kg tub will cover approximately 14.5m<sup>2</sup>.

### PACKAGING

ARDEX S 1-K Ready Mixed Waterproof Coating is packed in plastic tubs - either 16kg or 8kg net.

### STORAGE AND SHELF LIFE

Store in a frostproof place. ARDEX S 1-K Ready Mixed Waterproof Coating has a storage life of not less than 6 months in the original unopened container.

### PRECAUTIONS

ARDEX S 1-K Ready Mixed Waterproof Coating is non-hazardous in normal usage, however, good hygiene practices should be followed. Avoid contact with skin, wash off with soap and water before drying takes place.

In case of contact with eyes, rinse carefully and thoroughly with water and seek medical advice. In case of ingestion seek medical help.

For further information, please refer to the relevant health and safety data sheet.

### TECHNICAL DATA

Weight of fresh mortar: approx. 1.5kg/litre  
Material requirement: on smooth substrate  
at least 1.1kg per m<sup>2</sup>

Drying time (+20°C)  
(ready to receive tiling): approx. 12 hours

Suitable for

underfloor heating: yes

Classification acc.

to regulations for

hazardous materials: none

GISCODE: D1

**NOTE:** The information supplied in our literature or given by our employees is based upon extensive experience and, together with that supplied by our agents or distributors, is given in good faith in order to help you. Our Company policy is one of continuous Research and Development; we therefore reserve the right to update this information at any time without prior notice. We also guarantee the consistent high quality of our products; however, as we have no control over site conditions or the execution of the work, we accept no liability for any loss or damage which may arise as a result thereof.