



ARDEX GK

High-Strength, Fast-Setting, Wide Joint Filler

- For indoor and outdoor use,
- Fast-drying, walkable after only 1.5 hours
- Cement-based flexible joint filler
- Joint filler for ceramic tiles, facade cladding stones, and non-sensitive to moisture granite and natural stones
- For joints wider than 4 mm
- Resistant to freezing and thawing
- Resistant to high temperatures, steam cleaners, and general cleaning agents
- Resistant to wear and heavy mechanical loads
- High adhesive strength



Areas of Use

Indoor and outdoor. On walls and floors. For joints wider than 4 mm. Suitable for all sizes of ceramic, tile, porcelain, ceramic granite, non-sensitive to moisture granite and natural stone, concrete, and clinker tiles.

Used in residential areas with heavy pedestrian and load traffic, balconies, terraces, and stairs, shopping centres, commercial buildings, schools, hospitals, terraces, water tanks, cold storage, workshops, washing facilities, pools, and exterior facades of buildings for jointing bricks.

Product Composition

A blend of cement-based, fine-grained filler material enhanced with specialized additives. These additives contribute to the creation of robust joint surfaces with superior strength. Additionally, they facilitate effortless application and offer an extended working time. The maximum particle size is 0.7mm.

Upon mixing with water, it attains a pliable consistency, ideal for easy and comfortable application. It exhibits smooth application, even in wide joints, without collapsing or seeping out, even at lower temperatures. Moreover, it is non-combustible and ensures enduring joint filling through strong adhesion. Following application, joints can be swiftly made ready for use.

Substrate Preparation

The adhesive applied beneath the ceramic or coating material must have reached the specified technical characteristics and application time for joint filling, as indicated in its technical data sheet. The joints between ceramics should be clean and empty, free from any residue that may affect, disrupt, or discolor the joint filling material. In the case of porous surfaces, trials should be conducted beforehand as joint residues may remain. In water-absorbent coatings, joints should be lightly moistened before application.

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ARDEX GK

Improved Joint Filling Material

TS EN 13888

Mart 2010

CG 2 A

System 4

Wear Resistance:	≤ 1.000 mm ³
Shrinkage:	≤ 3mm
Water Absorption:	
After 30 minutes	≤ 5g
After 240 minutes	≤ 10g
Flexural Strength:	
After dry storage	≥ 2,5N/mm ²
After freeze-thaw cycles	≥ 2,5N/mm ²
Compressive Strength:	
After dry storage	≥ 15N/mm ²
After freeze-thaw cycles	≥ 15N/mm ²



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Different water absorption properties of the base surface and coatings may cause color variations in the joints. After thorough cleaning of the joints, no water film should be left before or after application.

Application

In a clean mixing container, approximately 2.8 liters of clean water is poured, followed by slowly emptying a 20 kg bag of ARDEX GK into it. It is then mixed either with an electric mixer or by hand for 4-5 minutes at a high speed until it achieves a lump-free paste consistency. If the mixture's consistency is either too solid or too soft, water or powder can be added until the desired consistency is attained.

The mortar can be applied for approximately 30 minutes between temperatures of +5°C to +20°C. High temperatures, sunlight, and wind may shorten the application time, while low temperatures may extend it.

The amount of material to be prepared should be consumed within the latest 30 minutes, or an amount that can be consumed within this time should be prepared. Water or cement should not be added to the excess material in the bucket; simply mixing is sufficient to achieve the desired consistency.

The prepared mortar has a very high filling power and is applied with ease using a rubber trowel. Even wide and deep joints can be filled with a single application. The short drying time allows the joints to be washed and wiped in a shorter period. During washing and wiping, the dried mortar does not flow out of the joints.

ARDEX GK should not be applied at temperatures below +5°C. Under no circumstances should antifreeze or any other concrete additive be added to the mortar.

To be Considered

When preparing the joint filler mortar, attention should be paid to using the specified amount of mixing water as provided above. Using less or more mixing water than specified may lead to a decrease in strength values and can result in dusting or cracking after application.

Residue of mortar may remain in micro gaps on porous or unglazed matte surfaces after wiping. Therefore, a trial application should be conducted before the actual application.

If acidic cleaning products are to be used for wiping the surface, the joints must be moistened beforehand.

The moisture content of the substrate and the variable absorbency of the coating material may affect the formation of different color tones in the joints.

Before application, the joints must be thoroughly cleaned, and any residues of adhesive mortar, etc., must be completely removed.

After application, the joints should be wiped thoroughly and should not be left wet; there should be no thin film of water on the joint surface.

Especially in cold weather conditions, if the joints are not dried properly or due to the humidity in the environment, lime deposits may appear on the joint surfaces. These deposits may be more pronounced, especially in dark-colored joint fillers. In such cases, it is recommended to use ARDEX cleaning and maintenance products.

General Information

In areas such as pools, thermal baths, and spas, cement-based joints may be susceptible to acidic effects. Therefore, it is recommended to use ARDEX RG 12 epoxy joint filler or ARDEX JK joint filler in such places to prevent damage.

For natural stones sensitive to moisture and in indoor spaces, it is advised to use colorless ARDEX G 10 marble joint filler. Alternatively, if ARDEX GK is to be used, it is recommended to conduct a sample test

beforehand. Although the products are resistant to mold and mildew, care should be taken to avoid residues and remnants that may occur during use and cleaning. Over time, soiled joints should be cleaned with ARDEX cleaning and maintenance products. In areas exposed to heat, it is advisable to use flexible ARDEX G6 FLEX products.

Precautions

Cement can be harmful to the eyes, skin, and respiratory system. Do not inhale the products and avoid contact with the eyes. In case of eye contact, rinse immediately with plenty of water and seek medical attention. Keep out of reach of children. Cement-based joint filler products are not resistant to acidic effects, and using strong acidic cleaning agents may cause damage to the joints. When such products are used, the joints must be moistened beforehand. Store in a dry environment. Waste disposal should be in accordance with local, national, and international regulations. The product is not harmful physiologically and environmentally after use.

Technical Data According to ARDEX Quality Standards

Mixing ratio:	2.80 l water for 20 kg powder
Bulk density:	approx. 1.5 kg/l
Fresh mortar weight:	approx. 2.2 kg/l
Material requirement	
With a 10mm joint width and 5mm joint depth	
For 60 x 60 cm tiles, approximately 0.30 kg/m²	
For 30 x 60 cm tiles, approximately 0.50 kg/m²	
For 30 x 30 cm tiles, approximately 0.65 kg/m²	
For 15 x 15 cm tiles, approximately 1.30 kg/m²	
For 10 x 10 cm tiles, approximately 2.00 kg/m²	
After application, the remaining and cleaned grout on the surface can be estimated at approximately 0.05–0.10 kg/m² depending on the application and coating surface.	
Working time/Pot life*:	approx. 30 mins.
Walkability*:	approx. 90 mins.
*All data is approximately based on laboratory test made at a temperature of +20°C and relative humidity of %65. Environmental conditions may change these values. Higher temperatures and lower relative humidity decrease these duration whereas lower temperature and higher relative humidity increases them.	
Brinell Hardness:	After 1 day 40 N/mm² After 3 days 60 N/mm² After 7 days 80 N/mm² After 28 days 100 N/mm²
Suitable for underfloor heating:	Yes
EMICODE:	EC1 ^{Plus} , Very low emission
GHS/CLP classification:	Please review the safety data sheet.
GGVSEV/ADR classification	Please review the safety data sheet.
Packaging	20 kg kraft bag
Storage and shelf life	It can be stored for approximately 12 months in its original unopened packaging, in dry and cool areas.

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