ARDEX G 10

PREMIUM Flexible Tile Grout

- Cement-based tile grout
- For ceramic tiles, glass ceramics and mosaic, granite, and natural stone joints
- Improved color stability
- For joints of 1-10mm
- High adhesion strength to tile edges
- Long-lasting easy and comfortable application
- Non-flammable

Areas of Use

Areas of Use:

For both indoor and outdoor spaces. Suitable for walls and floors with joint sizes ranging from 1-10mm.

Ideal for:

- Ceramic tiles, Granite ceramics, Tiles
- Natural stone and concrete tiles
- Glass and glass mosaics

Product Content:

Specially formulated cement-based premium joint filler enhanced with fillers and additives.

Tile grout conforms to **TS EN 13888 CG2 WA Class**

CG2: Cement-based joint filler with improved properties

A: High wear resistance

W: Low water absorption capability

Product Features:

ARDEX G10 PREMIUM Flex joint filler mortar provides comfortable and effective application, color stability, and a long application time independent of the absorbency of the substrate and coatings.

Conforms to EN 13888 CG2 WA

GEV-EMICODE EC 1 PLUS çok düşük emisyon içerikli

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ARDEX G 10
Improved Tile Grout

TS EN 13888
Mart 2010

CG 2W A

Sistem 4

Wear Resistance:	≤ 1.000 mm³
Shrinkage:	≤ 3mm
Water Absorption:	
After 30 minutes	≤ 2g
After 240 minutes	≤ 5g
Flexural Strength:	
After dry storage	≥ 2,5N/mm²
After freeze-thaw cycles	≥ 2,5N/mm²
Compressive Strength:	
After dry storage	≥ 15N/mm²
After freeze-thaw cycles	≥ 15N/mm²

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Once the product is ready for use after drying, its dirt-repellent effect helps maintain the clean and fresh appearance of the joints. Thanks to its high adhesion strength to the edges of the covering tiles, the product provides high resistance along with the covering against stresses that may occur, especially on surfaces exposed to heat.

It's a cement-based, fine-grained filling material without sand, mixed with special additives. The special additives ensure high-strength joint surfaces. At the same time, superior ease of work and long wiping time are provided. The maximum particle size is 0.7mm.

When mixed with water, it results in a soft consistency, making it easy and comfortable to apply mortar. It can be applied smoothly even in wide joints without slumping. Even at low temperatures, it does not flow out of the joints when wiped, it is non-flammable, and provides durable filling in the joints by ensuring high adhesion. Joints can be opened for use quickly after application.

Surface Preparation:

The adhesive applied under the ceramic or covering material must have reached the specified technical characteristics and application time for joint filling according to the properties and technical specifications provided in the catalog. The joints of the ceramics must be clean and empty, without any residue that could affect, disrupt, or discolor the joint filling material.

Mixing:

After clean water is poured into a clean mixing container, ARDEX G 10 is slowly poured in and mixed at a high speed with a suitable mixer or by hand for 2-3 minutes until it reaches a lump-free paste consistency. If the material's consistency is too solid or soft, it can be mixed with additional water or powder until the desired consistency is achieved. Alternatively, ARDEX G 10 can be mixed by adding clean water to the ARDEX G 10 bucket in the same manner.

Application:

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

The filling power of the prepared mortar is very high, and it is applied lightly and easily with a rubber trowel. Joints can be filled in a single application.

Depending on the ambient and floor temperature and humidity, the mortar applied independent of the tile covering can be washed with a suitable sponge within 15-45 minutes and wiped clean after a short waiting period.

If the waiting time is prolonged or if the mortar begins to solidify on the surface, the surface can be moistened with a surface spray to soften the mortar, allowing it to be easily wiped clean with a clean sponge.

ARDEX G 10 should not be applied at temperatures below +5°C. Antifreeze or similar concrete additives should not be added to the mortar under any circumstances.

Considerations:

Surfaces exposed to heavy mechanical loads (such as schools, factories, public buildings, balconies, and terraces) are recommended to use ARDEX GK.

In areas like pools, thermal spas, where cement-based joints can be damaged by acidic effects, it is advised to use ARDEX RG 12 epoxy joint filler.

Due to variations in application conditions on construction sites and building physics, color deviations may occur during the drying of the joint filler mortar.

Similarly, since the application conditions of joint filler samples made with actual joint filler may vary, there may be slight color differences between samples and actual applications. Therefore, on-site sample applications should be conducted before full-scale application.

It is recommended to conduct sample applications before full-scale application on surfaces with non-glazed and porous ceramic and porcelain, natural stones with glazed and unglazed surfaces, and various types of tiles with different absorption properties.

Please consider the information and warnings in the technical data sheets.

Cleaning and Maintenance:

Even if a protection against mold and fungi is applied to the joint surfaces, routine maintenance should not be neglected.

Cement-based joint fillers are not resistant to acids. Cleaning surfaces with acidic cleaning products such as lemon acid, vinegar, etc., and detergents can damage the joints.

For cleaning and maintenance, we generally recommend neutral and alkaline-based (Lithofin) cleaning products.

When preparing the joint filler mortar, care should be taken to use the amount of mixing water as specified above. Using less or more mixing water than specified can weaken the strength values and lead to dusting or cracking after application.

Residue of mortar may remain in micro voids after wiping on porous or non-glazed matte surfaces. Therefore, a trial application should be conducted before full-scale 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 absorption properties of the covering material can 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 thoroughly wiped and should not be left wet; there should be no thin film of water on the joint surface.

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

Safety Precautions

Cement can be harmful to the eyes, skin, and respiratory tract. Do not inhale the products, avoid eye contact. In case of eye contact, rinse immediately with plenty of water and seek medical attention. Keep out of reach of children. Since cement-based joint fillers are not resistant to acid, they can be damaged when strong acid-containing cleaning agents are used. In such cases, the joints must be moistened beforehand.

Store in a dry environment. Dispose of waste according to local, national, and international regulations.

The product is not harmful physiologically and environmentally after drying.

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Technical Data According to ARDEX Quality Standards

Mixing ratio:	5 kg ARDEX G 10 - 1,7 l water
Bulk density:	approx. 1.1 kg/l
Fresh mortar weight:	approx. 1.8 kg/l

Material requirement

With a 3mm joint width and 5mm joint depth;

For 60 x 60 cm tiles: approximately 0.10 kg/m²
For 30 x 60 cm tiles: approximately 0.15 kg/m²
For 30 x 30 cm tiles: approximately 0.20 kg/m²
For 15 x 15 cm tiles: approximately 0.35 kg/m²
For 10 x 10 cm tiles: approximately 0.45 kg/m²
For 5 x 5 cm tiles: approximately 1.1 kg/m²
For 2.5 x 2.5 cm tiles: approximately 2.2 kg/m²
For 2 x 2 cm tiles: approximately 2.7 kg/m²
For 1 x 1 cm tiles: approximately 5.4 kg/m²

The amount of mortar remaining on the surface after application and cleaning can be estimated to be approximately 0.05-0.10 kg/m², depending on the application and surface coverage.

Working time/Pot life*:	approx. 30 minutes
Waklability*:	approx. 3 hours

*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 temprature and higher relative humidty increases them.

Brinell Sertliği:	After 1 day 27 N/mm² After 3 days 43 N/mm² After 7 days 48 N/mm² After 28 days 48 N/mm²
Suitable for underfloor heating:	Yes
EMICODE:	EC 1 Plus, Very low emission
Packaging	5 kg bucket
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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