**CE 40**

»ALLROUND 1-10/AQUASTATIC«

Flexible Grout

Water-resistant, flexible, dirt-resistant mortar for joints up to 8 mm width

**CHARACTERISTICS**

- ideally smooth surface
- very stable colour
- for porcelain tiles, ceramic, glass, natural stones and marble
- “Aquastatic” effect – resistant to water absorption
- “Trio protection” – funghi, mould and dirt resistant
- for outdoor and indoor - for balconies, patios, bathrooms, kitchens and on underfloor heating
- easy application and profiling

**SCOPE OF USE**

Ceresit CE 40 grout is used for filling joints in gres and other types of ceramic, glass and stone tiles (including marble), on vertical and horizontal surfaces.

**Triple MicroProtect Protection** – a formula with 3 specially selected active components to ensure a durable and effective protection against fungi and mould.

**Aquastatic effect** – thanks to hydrophobic properties water drops remain in the shape of pearls on the surface without penetrating into the structure, extending the period of protection against mould and dirt.

These features make CE 40 suitable for applications in places exposed to water penetration, e.g. bathrooms, showers, kitchens. Suitable for using indoors and outdoors, also on terraces and balconies. It is particularly recommendable for installing tiles on deformable substrates: heated floors, chipboards and plasterboards.

Watertightness and chemical resistance is achieved by applying Ceresit grouts: CE 77 or CE 79 UltraPox Color. Expansion joints between tiles, joints at corners, in places where floor meets walls and around sanitary equipment shall be filled with Ceresit CS 25 MicroProtect silicone or CS 29 for marbles.

Dirt- and water-repellent silicone impregnation agent Ceresit CT 10 should be used for additional protection of joints and ceramic cladding against staining.

**SUBSTRATE PREPARATION**

Tile edges shall be cleaned of any stains. Grouting can start after the tile adhesive has hardened and dried. Prior to application, make sure that CE 40 does not leave permanent marks on the tile surface. Clean tile edges shall be rinsed with a wet sponge.

**APPLICATION**

CE 40 should be poured to a precisely measured amount of clean, cool water and stirred until it forms a homogeneous mixture, free of lumps. Neither rusty containers nor tools can be used. Apply the mortar on the tiled surface using a rubber float or a grouting tool. Make sure to avoid leaving empty areas in the joints between the tiles.

Allow sufficient time for the grout to become matte in the joint before starting to shape profiles. This time can vary from 5 to more than 60 minutes and depends on the tile absorption properties, joint width and depth, as well as ambient and substrate temperature. Excess material shall be removed using a wet sponge rinsed abundantly in water. Dry grout deposits can be removed using a dry cloth.

Tiles can be walked on after 9 hours from the application. Grout can be exposed to water after 24 hours. Within the first
5 days after the application, only clean water without any cleaning agents should be used. Grout reaches its complete hydrophobic property (resistance to water absorption) after 5 days from application.

**PLEASE NOTE**

Works should be carried out in dry conditions, with air and ground temperature from +5°C to +25°C. Excessive wiping of the joints can expose the aggregate and make the joint surface rough. Washing the joints with large amounts of water may reduce the water-repellent properties of the grout. Moist tile bedding, uneven water dosage and non-homogeneous drying conditions may cause variations in the joint shade. Do not use cleaning agents in vivid colours. To avoid differences in shades, CE 40 with the same production batch number printed on each container should be used in each room. The actual shade of the joint may differ from the colour of the sticker on the package. The CE 40 powder is an irritant, and the cement content sets off an alkaline reaction with water. Therefore protect your eyes and skin. In case of eye contact, rinse eyes thoroughly with water and consult a doctor.

**OTHER INFORMATION**

Fresh grouts should be protected against rain, dew and temperatures below +5°C until the joints have dried out and hardened completely.

Should you need support or advice, please consult our advisory service for architects and craftsmen on the hotline numbers:

Phone: +49 211 797 0
Fax: +49 211 798 2148

Apart from the information given here it is also important to observe the relevant guidelines and regulations of various organisations and trade associations as well as the respective standards of the German Standards Institute (DIN). The aforementioned characteristics are based on practical experience and applied testing. Warranted properties and possible uses which go beyond those warranted in this information sheet require our written confirmation. All data given was obtained at an ambient and material temperature of +23 °C and 50% relative air humidity unless specified otherwise. Please note that under other climatic conditions hardening can be accelerated or delayed.

The information contained herein, particularly recommendations for the handling and use of our products, is based on our professional experience. As materials and conditions may vary with each intended application, and thus are beyond our sphere of influence, we strongly recommend that in each case sufficient tests are conducted to check the suitability of our products for their intended use. Legal liability cannot be accepted on the basis of the contents of this data sheet or any verbal advice given, unless there is a case of wilful misconduct or gross negligence on our part. This technical data sheet supersedes all previous editions relevant to this product.

**TECHNICAL DATA**

Base: mixture of cements with mineral fillers and polymer modifying agents

Bulk density: approx. 1.1 kg/dm³

Mixing proportion: 0.56 l water per 2 kg
1.4 l water per 5 kg

Initial maturing time: approx. 3 minutes

Pot life: up to 2 h.

Application temperature: from +5 °C to +25 °C

Pedestrian traffic: after 9 h

Resistance to abrasion (according to the standard PN-EN 13888):

Flexural strength (according to the standard PN-EN 13888):

- in the dry conditions: ≥ 2.5 MPa
- after freeze and thaw cycles: ≥ 2.5 MPa

Compressive strength (according to the standard PN-EN 13888):

- in the dry conditions: ≥ 15 MPa
- after freeze and thaw cycles: ≥ 15 MPa

Shrinkage (according to the standard PN-EN 13888):

≤ 3 mm/m

Water absorption (according to the standard PN-EN 13888):

- after 30 min: ≤ 2 g
- after 240 min: ≤ 5 g

Temperature resistance: from -30 °C to +70 °C

Approximate consumption depending on the tile size and joint width:

<table>
<thead>
<tr>
<th>Tile dimensions [cm]</th>
<th>Width of grout amount [mm]</th>
<th>CE 40 [kg/m²]</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 x 5</td>
<td>2</td>
<td>0.5</td>
</tr>
<tr>
<td>5 x 5</td>
<td>3</td>
<td>0.7</td>
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<tr>
<td>10 x 10</td>
<td>2</td>
<td>0.4</td>
</tr>
<tr>
<td>15 x 15</td>
<td>3</td>
<td>0.4</td>
</tr>
<tr>
<td>10 x 20</td>
<td>3</td>
<td>0.4</td>
</tr>
</tbody>
</table>

Shelf life/Storage: Up to 24 months from the production date if stored on pallets, in dry conditions, in original and undamaged packages

The product is compliant with the PN-EN 13888:2010 standard, it has obtained the hygienic approval for contact with drinking water No HK/W/0579/01/2011, issued by the National Institute of Hygiene, the permit of the Minister of Health No 4374/11 for biocide trading and the Certificate of Conformity No ITB-1530/W, issued by the Building Research Institute (ITB).