



Special grey terrazzo tile formulated for high-traffic and industrial use. Thanks to its low absorption and the hardness of diabase, it offers superior resistance to chemical attack and abrasion compared to other precast concrete tiles. Suitable for demanding environments such as warehouses, kitchens, shrimp packing plants and other industrial facilities where durability is essential.

General description

Two-layer tile. Exposed layer: HE-type grey cement combined in defined proportions with pigments, additives and crushed diabase. Mortar base layer: HE-type grey cement, concrete sand with a controlled process of crushing, moisture and granulometric classification, and fines from limestone crushing.

Physical characteristics

Dimensions: 40 × 40 cm and 50 × 50 cm.

Surface: delivered pre-polished.

Exposed composition: grey background with diabase aggregate, size 1–2.

Recommended applications

- Warehouses and logistics centres with heavy forklift and pallet traffic.
- Industrial kitchens and food-processing areas.
- Shrimp packing plants, fish-processing facilities and zones exposed to salt and water.
- Manufacturing plants, workshops and industrial technical areas.
- Covered parking lots and loading / unloading areas.

Properties

Grey-background tile with diabase aggregate, size 1–2. Delivered on wooden pallets secured with plastic strapping. The number of units per pallet varies by format.

Technical requirements

BAec tiles meet the specifications of standards INEN 500-1, INEN 656-1, INEN 657, INEN 658-1, INEN 659, INEN 660-1 and INEN 1-567. The table shows nominal values and permitted tolerances according to the tests stipulated for flexure, absorption and geometric characteristics.

| Parameter | 40 × 40 cm | 50 × 50 cm | Tolerance |
|--------------------------|------------|------------|-----------|
| Length | 400 mm | 500 mm | ± 1 mm |
| Width | 400 mm | 500 mm | ± 1 mm |
| Total thickness | 34 mm | 34 mm | ± 1 mm |
| Tiles per m ² | 6.25 units | 4 units | N/A |
| Total absorption | < 8 % | < 8 % | N/A |
| Face absorption | < 5 % | < 5 % | N/A |
| Face thickness | ≥ 9 mm | ≥ 9 mm | N/A |
| Flexural strength | ≥ 4.5 MPa | ≥ 4.5 MPa | N/A |
| Weight / m ² | 88 kg | 88 kg | N/A |

Advantages over other precast products

- Low absorption on the exposed face (< 5 %), limiting penetration by liquids and chemical agents.
- Superior abrasion resistance thanks to the diabase aggregate.
- Flexural strength ≥ 4.5 MPa, above the minimum required for standard tiles.
- Dimensional stability: tolerance of ± 1 mm in length, width and thickness.
- Repairable and levelable by on-site polishing to eliminate steps.

Installation recommendations

- **Bedding mortar:** minimum thickness of 3 cm.
- **Spacers:** use 3 mm plastic spacers during installation.
- **Levelling:** polish the tiles to leave them at a single level and avoid steps. If they are not polished, the joint opening must be 5 mm.
- **Curing:** after installation, do not subject the area to heavy loads, foot traffic or industrial processes until the concrete has cured properly.

Maintenance

Clean with water and neutral soap or a non-aggressive industrial detergent. Avoid concentrated acidic products and disinfectants with high concentrations of caustic soda or chlorine that may degrade the exposed face over time.