EPS-BEAD LIGHTWEIGHT MORTAR

IZONIL QUATRO

Lightweight mortar for concrete roofs and floors

IZONIL QUATRO is a cement-based lightweight mortar, mixed on site with EPS beads and clean water. It combines thermal and sound insulation with waterproofing and breathability for concrete roofs and floors.

MIX PROPORTIONS

QUATRO powder	22 kg
EPS beads	60 L
Clean water	11–12 L

Reference quantities for one complete batch.



Manufacturer packaging reference.



On-site mixing of QUATRO mortar.



Lightweight mortar over a concrete floor base.

Product benefits

Thermal and sound insulation

EPS beads give the mortar its lightweight character and contribute thermal and sound insulation to the roof or floor build-up.

Waterproof and breathable

Combines resistance to water penetration with vapour permeability, allowing moisture in the concrete substrate to evaporate.

Material and application

Product form	Grey dry-mix powder, blended with EPS beads and water on site.
Composition	Portland cement, silica sand, Izocomponent and polypropylene (PP) fibres.
Suitable applications	Above-ground horizontal concrete roof decks and floors, in new construction or renovation.

Mixing overview

1. **Clean water**
2. **Add powder**
3. **Wet slurry**
4. **Add EPS**
5. **Mix again**
6. **Discharge**

Water and QUATRO powder are mixed to form a smooth slurry. EPS beads are then incorporated and mixed evenly before the mortar is discharged.

Application notes

For above-ground horizontal concrete only. QUATRO forms part of the roof or floor build-up; it does not replace the structural slab and is unsuitable for underground tank lining. Substrate preparation, detailing, finishes and curing are covered by the product application instructions.

Product overview. The applicable technical and safety data sheets govern application and handling. Composition and mix proportions: IZONIL QUATRO technical data sheet, June 2018.