

izocement

Technical Data Sheet

12/2023



izocement

Cement based mortar

Product Description

Hand applied ready to use cement-based mortar.

Storage

The bags should be stored horizontally on a flat surface such as a wooden pallet and kept dry so that they do not come into contact with water. Partly opened and / or damaged bags should not be used. Product shelf time is 12 months.

Standards referred to

TS EN 988 - 1: 2017 General purpose rendering mortar (GP) for internal and external use (CSIV)

Fields of Application

As plaster under tiles and ceramics on the surfaces like brick, briquette, aerated concrete, exposed concrete etc. at indoor and outdoor applications.

Properties

- Smooth surface for finishing coats
- Vapour-permeable
- Water repellency
- Weather resistant

Application

Substrate and pretreatment

Clear all of the subsurfaces of foreign and chemical materials like dust, paint, form oil and repair the surface with Yapticement if there are any hole, crack, gaps etc. on the surface. Primer should be applied before starting the application on the subsurfaces like exposed concrete with low adherence and on surfaces with high water absorption like aerated concrete. You can apply plaster on surface after primer dries (min. 24 hours). Use aligning (ano) strips during plaster application for a leveled surface. Use Knauf Corner Profiles for external corners.

Mixing

Pour the plaster into the water in a clean container according to the appropriate mixture ratio until it exceeds the water surface for one finger. After waiting for 2-3 minutes, mix at low speed until achieving a homogeneous mixture with a mechanical mixer and mix again after waiting for 5 minutes

Application

- Apply İzocement properly at the desired thickness between the plaster aligning strips and strike-off. Application thickness should be minimum 10 mm. For single-coat applications, thickness should be maximum 25 mm on walls and maximum 15 mm on ceilings. Apply the product as levels for thicker applications.
- Check manually following the first strike-off and before the surface is hardened completely, strike-off for the second time. Damp the surface after it's hardened and apply sponge float trowels.
- Use Knauf Plaster Corner Bead for corners and use Knauf Reinforcing Mesh for different material transitions or areas with movement risk.
- It's recommended to prepare mortar as much as required and consume the prepared mortar within 3 hours at most. Do not add water to the mortar that started to harden. Do not add any foreign materials (lime, sand, cement, gypsum etc.) into the prepared mortar. Do not perform application on the surfaces which are frozen, melting or posing frost hazard within 24 hours. In case the surface temperature which the application will be performed is above 30°C, damp the surface.

Application Tools

Trowel, steel trowel

Application Temperature

+5°C ~ +30°C

Working Time (on the Applied Surface)

About 3 hour

Safety Instructions

- Wash hands with plenty of water after handling.
- Use protective gloves / protective clothing / eye protection / face protection.
- In case of contact with eyes: Rinse your eyes cautiously with water for several minutes. If there is a lens remove it and continue to rinse.
- If eye irritation persists: Get medical advice / attention.

Technical Data

Description	Unit	Value
Color	-	Gri
Application thickness	mm	10 - 25
Density	kg/m ³	1500±300
Capillary water absorption	-	W2
Water vapour diffusion resistance	μ	≤ 35
Reaction to fire (EN 13501-1)	-	A1
Thermal conductivity λ	W / mK	≤ 0,82 (P=%50) ≤ 0,89 (P=%90)
Compressive strength (28 days)	N/mm ²	CS IV ≥ 6
Bonding strength (28 days)	N/mm ²	≥ 0,08
Working Time (on the Applied Surface)	hour	approx. 3
Amount of mixing water (for 25 kg mortar)	L	7 - 8
Application temperature	°C	+5 ~ +30

Material Consumption

Description	Unit	Consumption
İzocement (for 10 mm thickness)	kg/m ²	15

Packaging

Description	Weight (kg)	Packing (bag / pallet)	Material Number
İzocement	40	40	24103

System Performance Values

Performance values as sound insulation, fire resistance etc. may differ acc. to the drywall system to be applied. Please check the performance values of the drywall systems;

[Knauf Technical Website](#)
[Document Center](#)

Application

Application should be done acc. to the applicable standards (TS 1475) and acc. to the Knauf Technical Brochures of the respective drywall system.