



FIXCRETE 200 (IZOCRETE PLUS)

TWO COMPONENT, CEMENT AND ACRYLIC EMULSION BASED,
FLEXIBLE WATERPROOF COATING

- Seamless waterproof coating
- Perfect bonding
- Easy to apply

DESCRIPTION

FIXCRETE 200 is a two component, cement and acrylic emulsion based waterproofing compound that forms a flexible watertight layer on concrete and cement based surfaces.

TYPICAL APPLICATIONS

- From positive hydrostatic pressure side,
- Internal and external applications,
- Vertical and horizontal applications,
- Terraces and balconies,
- As waterproof coating on water tanks and ducts,
- As waterproofing layer for small scale swimming pools,
- Retaining walls, foundations etc,
- Flower beds,
- Wet areas like bathrooms, WC's and kitchens,
- Waterproofing balconies, roofs and terraces (must be covered/tiled).

ADVANTAGES

- Economical.
- Water tightness up to 5 bars (positive hydrostatic pressure side).
- Flexible.
- Safe to use on areas subject to small scale movement and vibration.
- Highly efficient waterproofing.
- Bridges shrinkage cracks.
- Perfect bonding strength.
- Water vapor permeable, allows substrate to breathe.
- Perfect bonding strength and flexibility provide excellent water-tightness under screed and ceramic surfaces.
- Protects concrete and cementitious surfaces against carbonation and chloride.
- Seamless waterproof coating.
- Resistant to freeze/thaw cycle.
- Resistant to frost and corrosive salts.
- Easy to apply.

TECHNICAL PROPERTIES

Color: Grey

Physical State: Powder and Liquid Component

Density (Mixture): $1.95 \pm 0,05 \text{ g/cm}^3$

Application Temperature: +5 °C to +35 °C

Pot Life: max. 3 hours

No. of Max. Layers: 2-3 layers

Time Required Before Consecutive Layer Application: min. 4 hours

Mechanical Strength Achieved in: 2 days

Full Cure: 7 days

Service Temperature: -30 °C to +80 °C

Bonding Strength (TS EN 14891): $\geq 1,0 \text{ N/mm}^2$

Crack Bridging (TS EN 14891): $\geq 0,75 \text{ mm (+20 °C)}$

Water Tightness (for 3 mm Thickness): $\geq 5 \text{ bar (pozitive)}$

Water Vapor Permeability (EN ISO 7783-2):

Class I; Sd < 5 (Sd: Air layer thickness equivalent)

Capillary Absorption (EN 1062-3): $0,05 \text{ kg/m}^2 \text{ h}^{0,5}$

The values above are valid for 23 °C and 50% relative humidity.

Reference Standards

In compliance with TS EN 14891 and TS EN 1504-2

Public Works Pos. No.: 04.477/2

DIRECTIONS FOR USE

SURFACE PREPARATION

- Application surface should be clean and free from dirt, oil, paint, loose particles, mortar and plaster residues.
- Repair all defects on the concrete surface thoroughly until a sound substrate is reached.
- Cracks and irregularities wider than 1 mm should be routed out properly and repaired with **FIXGROUT EXPAN**.
- Protrusions on the surface and mortar residues should be removed and rasped by mechanical methods to give a smooth appearance to surface.
- Use **FIXGROUT EXPAN** for fillets and riglets.
- Saturate the surface with water, but any standing water should be removed.

APPLICATION

- Pour 22.5 kg of the powder component into 7.5 kg of the liquid component slowly, and mix using a low speed mixer until a lump-free homogenous mixture is achieved.
- Apply with a brush in 2-3 layers perpendicular to each other at a rate of 1.0 kg/m² per layer.

CURING

- Can be walked on within three days.
- Protect from exposure to wind and excessive water for the first 7 days.
- Waterproofing properties are achieved after 7 days.
- Fully cured in 14 days.

WATCHPOINTS

- Protect from weather conditions such as sunlight, wind, snow, rain, frost, and etc. during the first 24 hours.
- Do not apply on concrete surfaces with perlite or high porosity content.
- Do not retemper the mixture with additional powder or water.
- Always add the powder into the liquid.
- Do not apply below +5 °C or over 35 °C.

CONSUMPTION

1.0 kg/m² per layer (2-3 layers).

PACKAGING

Component A: 22.5 kg craft bag

Component B: 7.5 kg plastic container

STORAGE and SHELF LIFE

Store in dry and cool locations. Shelf life is 12 months under suitable storage conditions. Avoid from direct sunlight and frost. Avoid from storing at temperatures below +4°C.

HEALTH AND SAFETY

As with all chemical products care should be taken during use and storage. Avoid contact with food, skin, clothes, eyes and mouth. If accidentally ingested seek immediate medical attention. In case of contact with skin or eyes, wash with a plenty of water and soap. Should be kept away from children. Reseal containers after use. Please consult Material Safety Data Sheet (MSDS) for further information.

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