



Waterproofing ISOMIX WATERPROOF 2K SET

Technical Data Sheet

Reviewed: 06.06.2015



DESCRIPTION

ISOMIX WATERPROOF 2K SET is an elastic, 2-component, brushable, sealing slurry. Exhibits strong adhesion to most building surfaces, long term sealing properties and high resistance to UVA. It consists of a cement-based dry mix with selected filler grades (component A) and concentrated acrylic based emulsion resin (component B).

ADVANTAGES

- Highly elastic
- Crack-bridging ability
- Withstands negative water pressure offering total waterproofing against water pressure up to 7 atm, according to DIN 1048
- Vapour permeability
- Resistance to ageing
- Bonding to wet surfaces without priming
- Easy and low cost application
- Exterior and interior use

APPLICATIONS

- Waterproofing balconies and terraces
- Waterproofing basements, internally or externally, against humidity or water under pressure.
- Waterproofing of surfaces exhibiting contraction-expansion and vibration effects such as terraces, balconies, above ground water tanks, swimming pools, inverted roofs etc
- Waterproofing corners, joints and uncovered spots.
- Ideal as a substrate for sealing cracks in humid areas prior to tile fixing, such as bathrooms, terraces, balconies etc.
- Waterproofing surfaces made of concrete, plaster, bricks, cement-blocks, aerated concrete blocks, mosaic, gypsum boards, wood, metal, expanded or extruded polystyrene etc.

INSTRUCTIONS FOR USE

Substrate preparation

1. The substrate must be clean, free of dirt, grease or any oily residues, loose material, dust, etc.
2. Cracks and holes are filled with the same material and water leaks with rapid setting cement.

3. Any holes in concrete surfaces should be thoroughly cleaned from unstable materials and thoroughly moistened but avoiding the creation of puddles. Then cavities are filled with ISOMIX RAPID CEMENT or ISOMIX MECHANIC.
4. Reinforcing steel should be cut at a depth of about 20-30 mm into the concrete and the holes must be filled as described above.
5. Any work joints are opened longwise at a depth of about 35mm and in a V shape and sealed as above.
6. When sealing old basements and buildings, plastering must be removed at least 50cm above the water level and **ISOMIX WATERPROOF 2K SET** applied.
7. Corners such as joints of floors and walls must be filled and smoothed with ISOMIX RAPID CEMENT or with a cement mortar improved with ISOMIX LATEX SBR 400.
8. Application of self-leveling mortar is recommended for leveling floors and for slope creation.
9. Prime surfaces with acrylic emulsion ISOMIX ACR-300 diluted with water at a ratio 1:6 – 1:8.

Application

1. Combine cement-based dry mix (component A) with the acrylic polymer dispersion (component B) to a ratio of 6kg component A to 2kg component B and add 1kg clean water under continuous stirring (preferably use electric mixer) until a uniform mixture is formed, suitable for brush application.
2. Working time of the mixture is approximately 30 – 40 minutes depending on ambient temperature.
3. Apply first coat with a brush up to 1mm thick covering the entire surface. Apply the second coat when the first one has dried (8-12 hours) in a cross direction.
4. The surface should be dampened, avoiding the creation of puddles prior to each application.
5. Final surface while still wet may be smoothed with a spatula or plastered.

CLEANING

Clean all tools and equipment immediately after use with water.

COVERAGE

2-3 kg/m² for three coatings depending on substrate condition

TECHNICAL CHARACTERISTICS

Component A

Base: Cement based powder with selected filler grades

Form: Powder

Colour: White, gray

Shrinkage: Minimum

Specific gravity: 1,6±0,2 gr/ml

Component B

Base: Acrylic polymer dispersion

Form: Thin emulsion

Colour: White

Specific gravity: 1,02 ± 0,03 gr/ml

Mixed product

Mixing ratio: 3:1 (12kg mortar with 4 kg emulsion plus up to 2kg water)

Mixing time: 3 min

Pot life: 60 min at +20°C

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

Application temperature: +5°C - + 35°C. Avoid application when frost or rain is expected

Compressive strength: 140 kg/cm² in 28 days

Flexural strength: 40 kg/cm²

Bonding strength: 10 kg/cm² in 28 days

Resistance to ageing: Excellent

Stress capacity:

Rain: after 6 hours

Walking: after 24-48 hours

Water under pressure: after 7 days

Filling of foundation pit: after 3 days

Tile fixing: after 1 day

Walkability: after 24 hours

Flammable: Non flammable

STORAGE

Store in dry and cool storage conditions at temperatures 5°C - 30°C. Protect from moisture, frost and direct sunlight.

SHELF LIFE

At least 12 months in unopened containers. Products should remain in their original unopened containers, bearing the manufacturers batch number.

PACKAGING

White Set 16kg, 35kg, Gray 35kg

PACKAGING	CODE	BARCODE
White SET 16kg	05110	5204094051107
White SET 35kg	5175	5204094051756
Gray SET 35kg	5176	5204094051763

HEALTH AND SAFETY INFORMATION

Component A



Eye Dam. 1: H318 - Causes serious eye damage **Skin Irrit. 2: H315** - Causes skin irritation **Skin Sens. 1: H317** - May cause an allergic skin reaction **STOT SE 3: H335** - May cause respiratory irritation **P101:** If medical advice is needed, have product container or label at hand **P102:** Keep out of reach of children **P103:** Read label before use **P280:** Wear protective gloves / protective clothing/eye protection/face protection **P302 + P352:** IF ON SKIN: Wash with plenty of water **P304+P340:** IF INHALED: Remove person to fresh air and keep comfortable for breathing **P305+P351+P338:** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing **P501:** Dispose of the contents/containers in accordance with the current legislation on waste treatment **EUH208:** Contains Cement, portland, chemicals. May produce an allergic reaction. Substances that contribute to the classification: Cement, portland, chemicals (CAS: 65997-15-1)

Συστατικό Component B

P101: If medical advice is needed, have product container or label at hand **P102:** Keep out of reach of children **P103:** Read label before use **P501:** Dispose of the contents/containers in accordance with the current legislation on waste treatment **EUH208:** Contains Mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1). May produce an allergic reaction

The directives contained in this technical data sheet are the result of our long experience from real life applications and the research testing of our research and development laboratory and have been submitted in good faith. Because of the diversity of the materials and substrates and the great number of possible applications, which are beyond our control, we cannot accept any responsibility for the results obtained. In every case it is recommended to carry out preliminary experiments. We are liable only for our products for being free from faults and of consistent quality. Users are responsible for complying with local legislation and for obtaining any required approvals or authorizations. The present edition of this technical datasheet automatically cancels any previous ones concerning the same product.



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