



Waterproofing ISOMIX WATERPROOF SC 900

Technical Data Sheet

Reviewed: 06.06.2015



DESCRIPTION

ISOMIX WATERPROOF SC900 is one component, brushable, sealing slurry. It contains high strength Portland cement, selected inert fillers, special additives and resins which offer excellent adhesion and elasticity as well as long lasting water resistance. Does not crack nor shrink. The range of applications includes simple waterproofing applications as well as negative water pressure conditions.

ADVANTAGES

- Withstands negative water pressure
- Elastic
- Exhibits outstanding adhesion to most building surfaces
- Demonstrates excellent durability to ageing
- Easy to apply
- Offers excellent adhesion to following layers / plaster
- Withstands temperature variations
- Exterior and interior use

APPLICATIONS

- Waterproofing of basements internally (walls with water infiltration problems) and externally prior to covering the foundations with earth.
- Waterproofing sewage tanks, water tanks, swimming pools, flower beds etc.
- Waterproofing floors prior to the final covering (tiles, marble, wooden parquet etc).
- Waterproofing of concrete elements and walls.
- It is also suitable for bricks, cement blocks, stones etc.

INSTRUCTIONS FOR USE

Substrate preparation

1. Make sure that substrates are clean, free of oily residues, rust, loose materials, dust etc.
2. Remove any stagnant water or water puddles from substrate.
3. For reinforced concrete surfaces cut steel rods to a depth of 2cm and coat these with ZINC SHEEN galvanizing primer or cement based anticorrosive primer ISOMIX FERRO PRIME. Holes should be sealed and filled.

4. Wires should be cut in depth of 2cm into the concrete, water leaks should be plugged with rapid setting cement and cracks must be filled accordingly.
5. Moisten the surface up to saturation avoiding the creation of water puddles.

Mixing instructions

1. Add 8 – 8,5kg of water in a clean bucket and gradually under constant stirring add 25kg of WATERPROOF SC900.
2. Using a low gear electrical mixer stir well till a uniform viscous mixture is formed suitable for brush application.
3. Let the mixture stand for 5 minutes and stir again.
4. The working time of the mixture is approximately 45 minutes. Periodical stirring is advised avoiding the addition of more water.

CAUTION: Do not add excess water quantity since it might decrease adhesion and water proofing properties.

Application

1. Apply the first layer with a rough brush at a required thickness of 1mm taking care to cover properly all the surface.
2. The next layer should be applied crossways after the setting of the first layer and while it is still wet. A third layer may be applied if necessary.
3. If the previous layer has dried moisten the surface accordingly prior to the application of the next layer.
4. Surfaces are ready for use within 24 hours for water immersion, within 48 hours for water pressure and in 10 days for further treatment.

Plastering

If plastering work follows the application of **WATERPROOF SC900**, it is advised to use a resin fortified plaster in order to avoid adhesion problems. Then a second layer of other industrial or traditional plaster can be applied.

REMARKS

Apply product at temperatures from +5°C to +35°C. Freshly coated surfaces should be protected from quick drying, direct sunlight and frost. Make sure that the surface temperature is between 5°C and 35°C as direct sun exposure can increase this to more than 50°C.

CLEANING

Remove as much material as possible from tools before cleaning. Clean all equipment immediately after use with soapy water.

COVERAGE

Approximately 2,5 - 3kg of drymix/m² per layer of 2mm thickness.

Evochem®

EVOCHEM S.A.

Tzavardella place 13341, Fyli, Attica, Greece

Tel.: 210 5590460, 210 5590155 Fax: 210 5590244

E-mail: info@evochem.gr Website: www.evochem.gr





Waterproofing ISOMIX WATERPROOF SC 900

Technical Data Sheet

Reviewed: 06.06.2015

TECHNICAL CHARACTERISTICS

Form: Cementitious powder

Colour: Gray

Particle size: 0-0,5 mm

Specific gravity of fresh product: 1910 kg/m³

Application temperature: +5°C - +35°C

Compression in 28 days: 25 Mpa (According to EN 1015-11)

Bend in 28 days: 6,5 Mpa (According to EN 1015-11)

STORAGE

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

SHELF LIFE

At least 12 months in the above mentioned storage conditions.
Products should remain in their original unopened sealed bags, bearing the manufacturers batch number.

ELASTIFICATION

In cases where the substrate experiences increased contraction – expansion effects such as swimming pools, terraces, floors with under floor heating or is subject to vibrations or increased waterproofing properties with increased demand for elasticity are required, it is advisable to elastify WATERPROOF SC 900 by adding 2 – 8 kg of ISOMIX ACR-300 acrylic resin or ISOMIX SBR 400 LATEX ADMIXTURE per 25kg packaging (depending on the required result) plus the quantity of water required in order to reach the desired workability.

PACKAGING

Gray 5kg, 25kg

PACKAGING	CODE	BARCODE
Gray		
5kg	05113	5204094051084
25kg	05107	5204094051077

HEALTH AND SAFETY INFORMATION



H315 Causes skin irritation **H317** May cause an allergic skin reaction
H318 Causes serious eye damage **H335** May cause respiratory irritation
P102 Keep out of reach of children **P271** Use only outdoors or in a well-ventilated area
P280 Wear protective gloves/protective clothing/eye protection/face protection
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P310 Immediately call a POISON CENTER or doctor
P302 + P352 IF ON SKIN: Wash with plenty of water and soap
P333 + P313 If skin irritation or rash occurs: Get medical advice/attention
P261 Avoid breathing dust/fume/gas/mist/vapours/spray
P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing
P312 Call a POISON CENTER or doctor if you feel unwell
P362 + P364 Take off contaminated clothing and wash it before reuse
P501 Dispose of the contents/container 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

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.



Evochem®

EVOCHEM S.A.

Tzavardella place 13341, Fyli, Attica, Greece

Tel.: 210 5590460, 210 5590155 Fax: 210 5590244

E-mail: info@evochem.gr Website: www.evochem.gr

