



# SATURFIX

LIQUID WATERPROOFING ADDITIVE FOR IMPROVING THE IMPERMEABILITY OF CONCRETE AND MORTAR

## PROBLEM

Infiltration from the water table and harsh weather conditions create serious problems for constructions. To prevent these situations it is necessary to add suitable waterproofing additives to the concrete or mortar mix which improve the waterproofing characteristics.

## DESCRIPTION

SATURFIX is a ready to use chemical additive that improves waterproofing. It makes concrete and mortar waterproof to capillary absorption. Therefore it is used to stop rising damp, seepage or infiltration and to reduce the formation of efflorescence and mould on masonry.

## FIELDS OF USE

SATURFIX is used to improve the impermeability of concrete in:

- Foundations and basement walls.
- Dams, waterworks, sea walls and docks.
- Tunnels.
- Terraces and reinforced concrete roofs.
- Tanks, drains, gutters and swimming pools.

- Foundations and concrete beds in contact with the water table.
- SATURFIX is used to waterproof mortar and plaster used for:
  - Walls exposed to driving rain.
  - Cellar walls and floors.
  - Mortar for coating lift shaft wells.

Waterproofing plasters both on interiors and exteriors is the result of aesthetic and practical requirements as the same result could be obtained by using OsmoSeal osmotic cement.

However, these plasters differ from waterproofing osmotic cements because they are not able to support high pressure water counterthrust.

## COVERAGE

1-1.5% of the weight of the cement.

## PRECAUTIONS

- Mix the additive well before use by shaking the can.
- Use clean sand.
- Use recently produced Portland or pozzolana cement.
- Wet the surfaces before each application.
- Avoid mixing in freezing weather.
- Keep the containers tightly closed and protected from frost and from direct sunlight.

## SAFETY REGULATIONS

- If the product comes into contact with the eyes, wash immediately with abundant water.
- If swallowed seek medical advice immediately.

## METHOD OF USE

### SURFACE PREPARATION

The new concrete substrate must be cured for at least twenty days before new plaster is applied.

When dealing with rendered concrete walls the old plaster must be removed until a sound, resistant substrate is reached which will guarantee the complete adhesion of the new waterproof plaster. The surface must be free from efflorescence, dust, grease and sufficiently solid to provide a sound anchorage for the waterproofing mortar.

### WATERPROOFING PLASTER PREPARATION

SATURFIX should be added to the mortar up to a maximum of 1.5% of the weight of the previously prepared cement (mix SATURFIX with the water of the mix).

When preparing the bonding spray plaster, COLLASEAL adhesive latex can be added to the mix, (roughly 1 part of Collaseal to three parts of water) to make the mix easier to use and to improve the adhesion of the plaster to the support.

### PREPARING CONCRETE FOR CASTING WATERPROOF FOUNDATIONS AND SCREEDS

The concrete for waterproof foundations should be made with cement which has a low hydration heat and a cement content equal to or greater than 350 kg/m<sup>3</sup> and sand with perfect granulation (UNI 7163), with fine particles (0.2 mm) which should make up at least 5% of the total weight of the sand.

The water/cement ratio should be equal to or lower than 0.45.

The waterproof concrete will be obtained by adding the superfluidiser FLUXAN (1.5% of the cement weight) and SATURFIX water repellent (1% of the cement weight).

The additives will be added, according to the established amounts, when the concrete is being made, mixing after adding the additives for another three minutes.

When casting, do not vibrate for too long to avoid the finer parts of the mix coming to the surface making the concrete less homogeneous.

The concrete must be perfectly workable in order to obtain a perfect consolidation and must be allowed to cure completely.

If the concrete is subject to rapid evaporation, a curing agent should be sprayed on the fresh casting in addition to covering with cloth and paper sacks.



Preparing the mix

# SATURFIX

## TECHNICAL CHARACTERISTICS

Appearance	liquid
Colour	white opalescent
Specific weight (volumetric mass) at 20°C	1.01±0.02 kg/litre
pH	9.5
Ford 4 viscosity at 20°C	11 seconds
Calcium chloride content	absent
Shelf life in the original containers	6 months



WATER-BASED



KEEP AWAY FROM FROST



NON-DANGEROUS WASTE

### ADVANTAGES

- Chloride free product, which does not damage reinforcement rods.
- Reduces capillary absorption in concrete and mortar thanks to its excellent waterproofing properties.

### PRODUCT



### PACKAGING

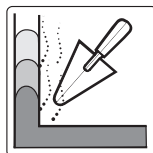
20 kg pails.  
5 kg cans.

**index**  
Construction Systems

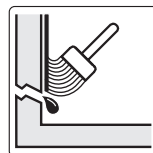
Via G. Rossini, 22  
37060 Castel D'Azzano (VR) - Italy  
Tel. 045.8546201 - Fax 045.512444

INTERNET: <http://www.index-spa.com> - E-MAIL: [index.export@index-spa.it](mailto:index.export@index-spa.it)

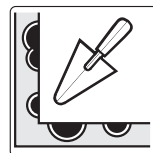
• FOR ANY FURTHER INFORMATION OR ADVICE ON PARTICULAR APPLICATIONS, CONTACT OUR TECHNICAL OFFICE  
• IN ORDER TO CORRECTLY USE OUR PRODUCTS, REFER TO INDEX TECHNICAL SPECIFICATIONS



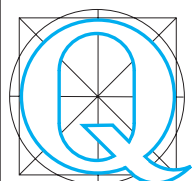
Restoration of damp masonry using damp-proofing renders



Waterproofing with vapour permeable cements



Concrete refurbishment



TOTAL QUALITY  
Q.S. ISO 9001

ring the numerous possible uses and the possible interference of conditions or elements beyond our control, we assume no responsibility regarding the results which are obtained. The purchasers, of their own accord and under their own responsibility, must establish the suitability of the product for the envisaged use.

The figures shown are average indicative figures relevant to current production and may be changed or updated by INDEX S.p.A. at any time without previous warning. The advice and technical information provided, is what results from our best knowledge regarding the properties and the use of the product. Consider