

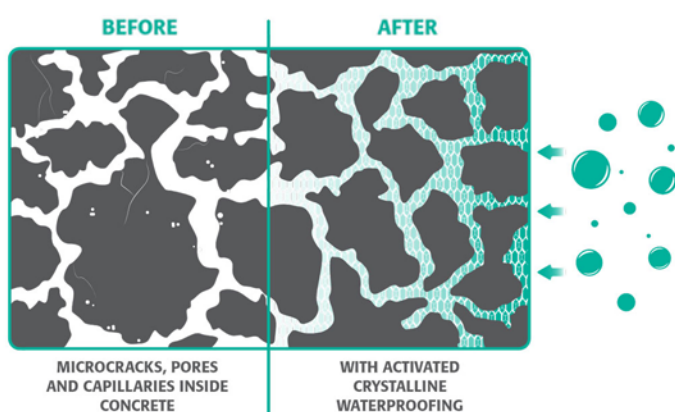
# ISOHEAL SEALER

## CRYSTALLINE WATERPROOFING PENETRATING HEALER AND SEALER FOR CONCRETE

### Description

Isoheal sealer is to be used as coating on top of concrete after casting and curing period. Isoheal Sealer Liquid is used to minimise permeability and increase the waterproofing properties of concrete for critical applications like roof slabs and screeds, basements, external plastering, bathroom floors, water tanks, sumps, drains etc.

Isoheal Sealer helps to repel water absorption and reduce the formation of surface efflorescence. Isoheal Sealer produces water tight concrete through advanced pore blocking technology through crystallisation. Thus it is more efficient compared to traditional waterproofs as its use results in two fold improvement of concrete.



### Advantages

- Ready to use single component liquid: Can be applied straight from the packaging for waterproofing throughout concrete matrix.
- High efficiency: Dramatic reduction in permeability of concrete.
- High Penetration: With specific gravity like water, will penetrate through all voids and honeycombs that cause water seepage.
- Improved concrete quality : Minimises porosity and honey combing. Produces dense homogenous concrete.
- Isoheal Sealer protects structure against water penetration and water damage for a long time.

- Isoheal Sealer Increases resistance to weathering, such as wetting and drying and freeze-thaw cycle.
- Increases resistance to Chloride ion
- Reduced primary and secondary efflorescence on structures
- Protection against de-icing salts
- Non-toxic-ideal for potable water tanks
- Will increase the life of concrete structures.
- Will provide best quality to cost ratio in the industry

### Properties

Appearance : Cloudy White liquid

Specific Gravity : 1.09 g/cc

Tensile strenght : 41.5 Kg/cm<sup>2</sup>

Permeability to water : < 10%

Permissible Dilution : 1 : 2

Compatibility : Can be used with all types of concrete and mortar surfaces, can also be used with brick and blockwork constructions.

Compressive Strength : Maintains compressive strength equal to control concrete or mortar and can even improve on strength property slightly.

Curing period : touch dry for coating application. (approximately 4-5 hours in bright sunlight)

Dosage : Till concrete is saturated while applied as coating.

Coverage : 2 - 3 sqm /kg/coat after dilution. Coverage may vary depending upon the nature and texture of the substrate.

### Application Instructions

Dilution : Isoheal can be applied directly from the pot without dilution. In case of porous concrete to increase penetration propoerties Isoheal can be diluted with water in proportion of 1:1 and stirred well until a uniform consistency is achieved.

# Isoheal Sealer



## CRYSTALLINE WATERPROOFING PENETRATING HEALER AND SEALER FOR CONCRETE

**Coating:** All surfaces shall be free from oil, grease, friable matter and general curing compounds (wax based curing membranes shall not be used in areas to be over coated). Concrete surfaces shall be cleaned using mechanical clean method / by using wire brush. If needed the surface shall be cleaned with solvent like xylene, Toluene, Benzene, dilute hydro chloric acid. Any debris/ mud or trash on the surface of the Concrete to be removed.

Isoheal sealer should be applied generously either by brush or through spray over the prepared concrete surface, care should be taken and the material should be applied on top of the cracks directly allowing it to sink in penetrate to seal the cracks. Later if Isoheal Sealer is found to be penetrating in certain areas flood coating needs to be done to facilitate complete penetration of the sealer.

Isoheal Sealer Liquid should not be diluted or be mixed with any other substance during application, doing so may hamper the sealing performance of the liquid.

### Uses

- Isoheal Sealer is particularly suited for concrete, mortar and plaster requiring waterproofing against chemical attack, chloride ion and weathering etc
- Isoheal Sealer is suitable for all concrete work requiring protection such as foundation, pre-cast elements, concrete for structures below the ground etc.

### Packaging

Isoheal Sealer Liquid is supplied in 5L , 25L and 220L cans.

### Storage

Isoheal Sealer has a minimum shelf life of 12 to 18 months, if kept in a dry place in unopened containers.

### Precautions

#### Health and Safety instructions

Isoheal Sealer is non-toxic. Gloves and goggles is recommended to be worn. Any splashes to the skin should be washed off with clean water. In the event of prolonged irritation, medical advice should be sought. If contact with eyes occurs, it shall be washed well with plenty of water and medical advice sought immediately.

### Important Note

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