



奧迪美®

# OPTISEAL

## GENERAL PURPOSE STAIN PROOFING & SEALING

### PRODUCT DESCRIPTION

**OPTIMIX OPTISEAL** is a high quality, high solids compound polymer dispersion designed to enhance and protect the appearance and longevity of concrete, screeds and mortars.

Supplied as a concentrate **OPTISEAL** requires only dilution with clean water before use. This provides the most cost effective solution with maximum flexibility for the end user.

It works by sealing the surface with a highly hydrophobic blend of polymers which both penetrate and stay at the surface. This provides excellent bond characteristics plus resistance to light foot traffic.

Properly applied 1 coat will help improve the surface durability of cementitious materials while 2 or more coats will improve the sealing and stain resistance. Safe to handle, easy to use and compatible with most **OPTIMIX** materials.



### TYPICAL USAGE

- Interior and Exterior Mortars, Renders & Screeds
- Improves Surface Water and Stain Resistance
- Brush, roller, sponge or spray application

### FEATURES AND BENEFITS

- |                                 |                 |
|---------------------------------|-----------------|
| ● Water Resistant & Hydrophobic | ● Non-yellowing |
| ● Consistent Quality            | ● Water-based   |
| ● Transparent                   | ● Low Viscosity |
| ● Easy to Use                   | ● Low VOC       |



## TECHNICAL DATA

Product Characteristics <sup>1)</sup>	1 coat	2 coats	3 coats
ISAT (ml/m <sup>2</sup> /s)	~ 0.03	~ 0.02	~ 0.01
Subsequent Tensile Bond (MPa)	~ 2.5	~ 2.0	~ 2.0

Packaging & Yield	(Diluted 1:3 with potable water)
Coverage <sup>2)</sup>	0.1 – 0.2 L/m <sup>2</sup> per coat
Packing Size	20 kg per pail
Shelf Life	12 months

Composition	<b>OPTIMIX OPTISEAL</b>
Colour	Milky White
Components	Proprietary Polymer Dispersion and additives
Solids Content	> 46 %



Environmental Data	
Volatile Organic Compounds (VOC)	≤ 10 g/L
Potential BEAM points	Product is manufactured within 800km of Hong Kong project sites

### Notes

- 1) The results given here are typical laboratory results. Determined performance can vary slightly due to variations in equipment, users, substrates, ambient conditions etc.
- 2) Coverage is based on application onto smooth concrete with a fine nap roller.



BEFORE



DURING



AFTER



FINISH



## INSTALLATION GUIDE

(Refer to Method Statement for more details)

### SURFACE PREPARATION

**OPTIMIX OPTISEAL** can be applied onto all dry cementitious substrates once they are sufficiently hardened to avoid damaging the surface during the installation process.

### MIXING

**OPTIMIX OPTISEAL** is supplied as a high solids concentrate. It should be diluted 1:3 with potable water and stirred or shaken.

N.B. Shake the bottle before decanting to ensure that all components have not separated during handling or storage.

### APPLICATION

**OPTIMIX OPTISEAL** can be applied by brush, roller, sponge or spray taking care to apply as even a coat as possible.

Allow the material to dry completely to the touch before applying subsequent layers if required.

### FINISHING & CURING

Depending on the type and condition of the substrate, the first layer of **OPTIMIX OPTISEAL** will usually be somewhat absorbed leading to a slightly satin appearance once dry.

Subsequent layers will increase the thickness of the polymer layer and thus increase the performance of the cured membrane. The additional layers may also cause the surface finish to become increasingly glossy.

### LIMITATIONS

**OPTIMIX OPTISEAL** is a surface treatment and may cause changes in the appearance of decorative or coloured finishes. Trials must be

carried out in advance to ensure that the result is satisfactory before undertaking large scale works.

If too much material is applied at a time, if a surface is too dense to receive the coating or has already had some other treatment then this can potentially lead to a crazed appearance, debonding or other issues. Trials should be carried out in advance – contact Optimix for small trial samples if required.

**OPTIMIX OPTISEAL** is compatible with most common cementitious materials and can receive most general coatings and finishes, however trials must be carried out to ensure that it does not interfere with the bonding and that the result is entirely satisfactory.

If necessary **OPTIMIX OPTISEAL** may be removed mechanically with a wire brush, sanding, shot-blasting, scabbling or other mechanical surface preparation in preparation for receiving subsequent construction.

### HEALTH AND SAFETY

**OPTIMIX OPTISEAL** is non-toxic and non-flammable but it can cause irritations to persons with sensitive skin. Avoid contact with skin and eyes. Wear suitable protective gloves and masks while handling the product. If contact with eyes, rinse immediately with plenty of clean water and seek medical advice.

### STORAGE

Store in closed containers, in a dry place and protect from direct sunlight. Do not store at a storage temperature below 5°C. Failure to comply with the recommended storage conditions may result in premature deterioration of the product.

**Important Note:** The information contained herein is, the best of our knowledge, true and reliable and is supported by the present state of our knowledge. No warranty is given or implied in connection with any recommendations or suggestions made by us or our representatives as the conditions of use and any labour involved are beyond our control.



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