



TECHNICAL DATA SHEET

oXoCrete—Protection and Rehabilitation, a member of the oXoCrete family of products.

An innovative Concrete Preservation and Rehabilitation system which can provide increased compressive strength of the concrete matrix, significant resistance to ingress of moisture while allowing breathability to release existing moisture and substantial improvement to freeze-thaw resistance, inside the concrete matrix when proper penetration is attained.

PRODUCT DESCRIPTION

oXoCrete—is a premium member of the oXoCrete product range, intended for protection and rehabilitation of concrete necessitated by the presence of harmful materials and trapped moisture within the concrete. As part of a prescribed oXoCrete system, oXoCrete pairs very well with our “like new” topical coating treatment oXoGreenWrap and matching sealer oXoProof, for a complete “better than new” product system.

oXoCrete is an environmentally safe and VOC free, two component system (oXoPrimer and oXoEnhancer) formulated to improve and protect key concrete attributes often to essentially new conditions *With Depth*; depending on the characteristics of the concrete and the oXoCrete product.

Penetration will depend on concrete porosity. In high porosity concrete, we've observed penetration in excess of 34" (75cm). Actual depth of penetration is dependent on actual site conditions.

When used as a critical part of the oXoCrete System, in most cases oXoCrete provides critical strengthening and bonding of the affected depth, aiding in the rehabilitation and preservation from pyrite and mica related issues. It is not a coating, and will not peel, crack, yellow, or delaminate from substrate. Note that oXoCrete can never be re-applied as it does not deteriorate, so it is highly recommended that you chose the correct product.

HOW IT WORKS:

OXOH2O Inc. (OXOH2O) has a proprietary process to create a crystalline reaction which includes the conversion of the Lime (Calcium Hydroxide) in the concrete to Calcium Silicate Hydroxide.

CHARACTERISTICS

- No odor
- FDA GRAS rating
- Vapor permeable
- Significant water resistance
- Considerably extends concrete life. Upon success it does not require remediation for more than 15+ years.
- Penetrates cementitious products.

FEATURES AND BENEFITS

- Deep Penetration. Each matrix has unique characteristics.
- Increased compressive strength for older and weaker concrete.
- Increased hardness and abrasion resistance.
- Increased resistance to thermal cycling.
- Increased stain resistance.
- Significant efflorescence of chlorides.
- Significant reduction in permeability.
- Resistance to salt, acid, and chemicals.
- Increased pH level to abate rebar corrosion.
- Increased resistance to acidic deterioration.
- Significant water resistance
- Reverses carbonation.

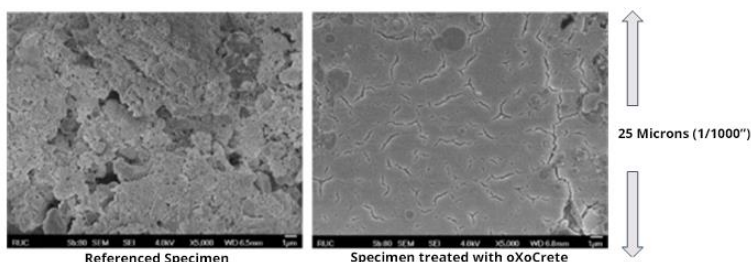


TECHNICAL DATA SHEET

oXoCrete—Protection and Rehabilitation, a member of the oXoCrete family of products.

Electron Microscopy

An electron microscopic image of untreated concrete and treated concrete demonstrate the effects of oXoCrete application at the substrate level.



Product Information

Chemical Base	0 gpl VOC, Sodium Silicate Solids
Packaging	5 US Gallon Pail (18.9 L).
Appearance/Colour	Clear, when properly applied.
Shelf Life	24 months in original unopened containers under proper storage conditions. 30 days after opening.
Storage Conditions	DO NOT FREEZE. Store in original containers between 5°C and 38° C. Keep out of direct sunlight.

USES

oXoCrete—is a premium member of the oXoCrete product range, necessitated by the presence of deleterious materials and trapped moisture within the concrete, as part of a prescribed oXoCrete system.

oXoCrete is specifically designed for its stated use and must be used only as recommended. Curing begins immediately and can take up to 120 days to fully cure with significant curing in the first 60 days. oXoCrete must only be used in accordance with OXOH2O best practices.

SUBSTRATE PREPARATION

Prepare the surface by removing all paint, grease, oil, and laitance. Methods include, but are not limited to, vapor blasting, pressure washing, shot blasting, scarifying, grinding, and acid washing. Utilize oXoSupraClean as necessary to ensure clean surface.

Use brooms or vacuums to remove all surface debris, such as grinding dust, loose concrete and powders

oXoCrete products CANNOT be used with any concrete containing crystalline products.



TECHNICAL DATA SHEET

oXoCrete—Protection and Rehabilitation, a member of the oXoCrete family of products.

JOBSITE TEST SECTIONS

As all concrete matrixes have unique characteristics, testing outcomes will reflect variations in the matrix. Multiple core samples should be tested on concrete to account for any notable variations.

Core samples should reflect a “control sample” (without treatment) to establish a baseline condition. When required, sample testing should be conducted by a third-party independent lab with proper chain-of-custody protocols, to properly evaluate the treatment outcomes.

APPLICATION

oXoCrete products are to be applied only by OXOH2O trained applicators, Certified or Master Applicator. Complete installation details described in the OXOH2O training program.

Applicators WITHOUT current certification are not authorized to apply oXoCrete products and will void all OXOH2O warranties.

10 YEAR TRANSFERABLE WARRANTY

oXoCrete is covered by a 10 Year transferable warranty agreement when used for its intended purpose and applied by an OXOH2O applicator in strict accordance with all documented requirements.

Liability is limited to the original cost of oXoCrete material and application costs, and does not warrant the structural integrity, original design or integrity of the concrete matrix beyond the achieved depth of penetration.

An extended warranty can be purchased.