

## Typical Technical Advantages and Benefits of oXoCrete

# CONCRETE PROTECTION & REHABILITATION

5 Major Features	1- PRACTICAL & RESPONSIBLE						2- PROTECTION WITH DEPTH	3- STRENGTH & HARDNESS			4- SOLIDIFIES / DENSIFIES MATRIX <small>decreased Porosity &amp; Permeability</small>										5- INCREASED pH TO PRE-CARBONATION ALKALINE STATE	
	GRAS Certified	Avoids Replacement, Reduces CO2	Long Lasting - No Known Failures	Quick & Easy Treatment	Drastically Reduced Soft Costs	Reduced Hard Costs	*Results with Substantial Depth - Penetration up to 10" (25 cm)*	Increased Compressive Strength (best measured: 194%)	Increased Flexural/Tensile Strength	Increased Hardness & Abrasion Resistance	Increased High-Heat Thermal Cycling Resistance	Increased Freeze-Thaw Resistance	Significant Exfoliation of Salt	Increased Surface Acid Resistance	Increased Surface Salt & Chloride Resistance	Increased Surface Chemical Resistance	Increased Water-Resistance	Maintains Breathability	Increased Resistance to Stain Penetration	Increased Density/Densification	Increased Reinforced Steel Corrosion Resistance	Increased Resistance to Concrete Deterioration from Acidity
Advantages	Responsible for our Environment	Significantly Reduces CO2 Footprint	Reduce or Eliminate Ongoing Repairs	Less Hassle for Everyone Involved	Avoid Many Hidden Project Costs	Usually Less Expensive than Replacement	Affects all concrete penetrated by oXoCrete, not just the surface	Typically attain 20% - 50% increase	Reduced delamination failure on tensioned concrete	Up to 8x harder, per elemental analysis	Reduced damage from temperature changes	Significantly increase longevity	Purges damaging salts	Reduced damage from many Acids	Reduced damage from Salts & Chlorides	Reduced damage from many Chemicals	Significantly reduces ingress of moisture	Allows most damaging water vapor to escape	Reduce unsightly staining	Increased Durability	Reduces further corrosion within intact concrete matrix	Typically restores pH to strong Alkaline state
Benefits																						
Bridges	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Warehouse Floors (Unhardened)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Sidewalks Steps & Driveways	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Concrete Balcony Deck	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Concrete Masonry Wall Block	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Concrete with Pyrite or Mica Aggregate	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Prest Concrete	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Structural Concrete Columns & Beams	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Industrial Facilities	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Indoor Heated Concrete Parkades	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Outdoor Concrete Parkades	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Concrete/Retaining Walls	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Salt & Freshwater Infrastructure	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Foundations	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Tunnels and Subways Systems	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Sewage and Water Treatment Plants	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

\*Note: Situational issues require particular resistance or attributes; this chart reflects common needs of each concrete usage.\*