

X4

Fundamentals Guide

CLEAR WATER REPELLENT SEALANT

A clear, water repellent sealant for cement, concrete-based and aggregate facades/claddings, surfaces, structural and building materials.

• Keeps Surfaces Dry	• Breathable
• Helps Surfaces Last Longer	• Incorporates Into Products
• Prevents Freeze/Thaw Damage	• Great for Both Old & New Surfaces
• Resists Dirt & Graffiti	• Incredible Durability

THE PROBLEMS

X4 was designed with wind-driven and wicking moisture in mind.

Moisture from wind-driven rain can gradually or abruptly raise the moisture content of exterior materials like concrete, aggregate, mortar joints, EIFS, stucco, wood, and composite materials. As moisture content increases, mold, moss, algae and other unsightly biologicals can grow and spread. In addition, from season to season, this increased moisture content, especially through freeze-thaw cycles, can lead to unrecoverable expansion, contraction and erosion of surfaces, drastically reducing their life expectancy. Finally, as increased moisture content wicks or migrates (as liquid or vapor) gradually into the structure substrates and cavities without the ability to dry, conditions that support mold growth are likely to occur.

THE SOLUTIONS

Keeps Surfaces Dry

X4 creates a transparent barrier that works by bonding to surfaces in a vertical orientation and reduces surface. Moisture sits on top of the vertically aligned molecule preventing surface contact and absorption.

Helps Surfaces Last Longer

By keeping surfaces dry, the normal wear and tear associated with water's ability to erode from movement and alkalinity is eliminated thereby reducing maintenance and repair costs over time.

Prevents Freeze/Thaw Damage

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X4's ability to eliminate moisture absorption and to keep water out of semi-porous surfaces, prior to freezing temperatures, is a priority in preventing the expansion and contraction cycles associated with seasonal freeze/thaw. This dramatically increases the longevity of surfaces to minimize maintenance and repair costs.

Resists Dirt & Graffiti

Because X4 is hydrophobic (water-hating) and because X4 is cationic (has a positive charge), X4 naturally resists dirt accumulation and prevents the adhesion of water-based paints. This feature helps reduce or prevent unplanned for restoration expenses.

Breathable

While X4 eliminates the capillary absorption of moisture into surfaces, it does not clog the pores or capillaries of a substrate thereby maintaining a building's vapor permeability.

Incorporates Into Products

X4 can also be incorporated into products like concrete, cement and paints to provide superior adhesion and curing as well as to impart the same resistance to water, dirt and water-based paint already described.

Great for both Old and New Surfaces

Stopping moisture absorption into surfaces is always a good idea. X4 can be used on both new and old surfaces alike.

Incredible Durability

X4 is expected to last 5 to 7 years on exterior surfaces. To ensure best performance over time, and due to changing environmental factors, a simple Rilem test to monitor moisture resistance can be used to indicate or predict maintenance over time guaranteeing maximum performance.

Related Products

OxyPrep
Grease Gobbler
SafeGuard
EnviroSeal