

# **X<sup>2</sup> Floorcoating ACRYLIC LACQUER SEALER**

FOR

## **CONCRETE, MASONRY & AGGREGATE SURFACES**

**PRODUCT DESCRIPTION:** X<sup>2</sup> Floorcoating is a VOC compliant water clear 100% acrylic solution surface lacquer sealer for exterior and interior use on concrete, masonry and aggregate surfaces. The resin has superior ultraviolet light resistance and does not yellow on exterior exposures. X<sup>2</sup> Floorcoating is specifically designed for ease of maintenance due to its ability to re-dissolve into itself when recoating after aging. The film has superior resistance to traffic and most water & solvent borne common chemicals. Properly sealed surfaces have excellent food stain resistance.

X<sup>2</sup> Floorcoating has been shown to be the highest performer of all the competitors in comparative testing. This testing includes uses for amusement parks (San Francisco's Pier 39), public roadways and regional shopping centers.

**PRODUCT USES:** Decorative and uncolored concrete aggregate finishes, terracotta tile, interlocking pavers, concrete, block, interior and exterior concrete floors, brick, driveways, precast exterior aggregate construction panels, stone, stucco, asphalt and patio blocks.

**TYPICAL PROJECTS:** Driveways (asphalt & concrete), sidewalks, amusement parks, restaurant floors, hotel entries, parking garages, warehouse floors, loading docks, water treatment facilities, roadways (Highway 111 in Palm Springs), pool decks, stamped concrete surfaces and acid stained concrete surfaces.

### **TECHINCAL DATA & PHYSICAL PROPERTIES:**

Weight per Gallon	:	10.2 lbs.
Flash Point	:	35° F
% Solids by Volume	:	19.0
Volatile Organic Content (VOC)	:	<400 grams/liter
Thinning & Clean-Up Solvent	Exempt	: Acetone, Oxsol 100, Perchlorethylene
	Non Exempt	: Xylene, Toluene

### **TECHNICAL DATA:**

Dry-Time	@77° F	:	30 Minutes
Dry-Hard	@77° F	:	1-2 Hours
Re-coat	@77° F	:	2 Hours

**SURFACE PREPARATION:** Remove dust, grease and oily deposits. New concrete surfaces should be aged 60 days minimum. Exterior concrete surfaces (particulary

new) which are steel trowel finished, must be mechanically etched (example-blast track) or acid etched (acid must be neutralized) to insure proper penetration and adhesion. The surface must be thoroughly rinsed (power wash is best) after etching and neutralizing to remove excess salts and debris. Surface must be thoroughly dry for 36 hours. If moisture remains, white spots and/or disbonding may occur due to activation of the water repellent. White spots may normally be removed with Xylene which re-dissolves the resin in preparation of another light X<sup>2</sup> Floorcoat (sometimes 2 or 3 solvent treatments required). If white spots occur in heavy X<sup>2</sup> FloorCoating build-up, sand off build-up down to substrate and re-apply X<sup>2</sup> FloorCoating. To be effective and prevent peel, X<sup>2</sup> Floorcoating must penetrate into the masonry, concrete or asphalt matrix. Hard water deposits from landscaping water or regular hoses can leave a white film on surface.

**APPLICATION:** X<sup>2</sup> Floorcoating is a two-coat system. Best to spray or roll apply in thin surface wetting coats. The first coat is intended to penetrate deeply and should almost disappear into the substrate. Allow first coat to dry 2 to 4 hours. The second coat will re-dissolve the first coat and drive it deeper into the substrate. Do not leave puddles on horizontal surfaces!!! A uniform light sheen should result after the second coat. A third coat may be required or desired if the surface is very porous (such as flat block, split face block or sandblasted surfaces). The porosity and temperature of the surface/substrate influence the amount of sheen and resulting surface wear characteristics. Porosity determines the amount of product required for each coat.

**EQUIPMENT APPLICATION:** X<sup>2</sup> FloorCoating may be applied by spray, roller, or brush. Roller: use 3/8" Pronell nap or standard 1/4" nap roller. Work out of a paint tray or pour X<sup>2</sup> FloorCoating directly on to work area. Only work each area with a couple strokes—PENETRATION IS QUICK WITH FAST DRY! Curing on the roller means the area is being over-worked. Work roller in front of the body not side to side. Spray application when surface temperature is above 90°F. Spray equipment must be compatible with Perchloroethylene, Acetone & Oxol 100 (Viton/Teflon & stainless steel parts). Spray Applications: Use standard airless or HVLP equipment with a 50% overlapping stroke. Slight sheen will show after application. Uniformity of sheen will depend on the uniformity of porosity and application technique. Recommended spray tip and pressure: 0.017-0.019 (6501-6502) tip orifice @ 900-1200 psi.

**PRECAUTIONS:** Wear respirators when applying these materials. Do not smoke in area or apply near open flame due to flammability and hazardous combustion gases.

### **Cleanup**

Use Thinner 21 or Isopropyl Alcohol. In case of spillage, absorb and dispose of in accordance with local applicable regulations.

### **Safety**

Read and follow all caution statements on this product data sheet and on the MSDS for this product. Employ normal workmanlike safety precautions. Hypersensitive persons should wear protective clothing, gloves and use protective cream on face, hands and all exposed areas.

**Ventilation**

When used as a tank lining or in enclosed areas, thorough air circulation must be used during and after application until the coating is cured. The ventilation system should be capable of preventing the solvent vapour concentration from reaching the lower explosion limit for the solvents used. In addition to ensuring proper ventilation, appropriate respirators must be used by all application personnel.

**Caution**

This product contains flammable solvents. Keep away from sparks and open flames. All electrical equipment and installations should be made and grounded in accordance with the National Electric Code. In areas where explosion hazards exist, workmen should be required to use non-ferrous tools and wear conductive and non-sparking shoes.