

Product Information Sheet

ESI 7000 Waterproofing Membrane Topcoat

DESCRIPTION

ESI 7000 Waterproofing Membrane Topcoat is a 100% solids, flexible epoxy that is used as the wear intermediate coat or the finish coat, depending on the system specified. ESI 7000 Topcoat is odour free, making it suitable for both indoor and outdoor use. ESI 7000 Waterproofing Membrane Topcoat is moisture vapor permeable when saturated to rejection with silica aggregate for use on Split-Slap and Slab-On-Grade substrates.

USE

- Parking Garages
- Balconies
- Garbage Rooms
- Computer access floors
- Sports facilities
- Pedestrian walkways
- Piers
- Loading docks

ADVANTAGES

- 100% solid epoxy, no VOCs
- Durable
- Flexible
- Available in a variety of colours
- Chemical resistant
- High gloss finish
- Skid resistant

PRECAUTIONS

- Substrate should be between 50°F (10°C) and 90°F (32°C)
- Substrate should be free of dirt, waxes, grease, oil and other foreign materials
- Concrete floors should have laitance removed via shot blasting, mechanical sanding or etching
- New concrete surfaces should be cured a minimum 28 days before coating or delamination may occur
- Cracks and surface defects should be prepared prior to priming

THEORETICAL COVERAGE

- 50 - 90 sq. ft. per gallon

PHYSICAL DATA

Property	Standard	Results
Tensile Strength	ASTM D 412	2000 psi
Tensile Elongation without aggregate	ASTM D 412	70%
Adhesion to prepared concrete	ASTM D 4541	17 Pli
Skid resistance	ASTM D 2047-96	Average readings: Dry 0.67, Wet 0.61
Adhesion to membrane	ASTM D 4541	20-30 psi
Water vapour transmission	ASTM D 1653	0.35 Perms
Test for surface burning	ASTM E-84	F.S. 14 F.C. 0
Chloride ion	W.J.E 84005	No increase @ 1" depth

CHEMICAL RESISTANCE

Testing in accordance with ASTM-D-1308 spot test procedure indicates that ESI 7000 Waterproofing Membrane Topcoat is unaffected by the following reagents.

AUTOMOTIVE FLUIDS

Grease
Motor Oil
Transmission Oil
Anti-Freeze
Gasoline
Heptane
Hexane

SOLVENTS

Acetone
Methalethol Ketone
Alcohol (Denatured)
Butyl Alcohol
Butyl Acetate
Carbon Tetrachloride
Trichloroethylene
Cellosolve Solvent
Toluene
Xylene
Mineral Spirits

EPOXY[®] SOLUTIONS

"WE FIX BAD CONCRETE"

Akire Polymers

14177 Trafalgar Road N

Georgetown, ON

L7G 4S4

Organic Acids

Acetic 10%
Citric 20%
Lactic 40%
Gluconic 40%
Tartaric 40%

Inorganic Acids

Chromic 20%
Hydrochloric 30%
Nitric 40%
Hydrofluoric Acid 20%
Phosphoric Acid 50%

Inorganic Salts

Calcium Chloride 20%
Ammonium Chloride 20%
Sodium Chloride 20%
Sodium Carbonate 20%
Sodium Phosphate 20%
Sodium Sulfate 20%
Magnesium Sulfate 20%

Alkalis

Ammonium Hydroxide (Conc)
Potassium Hydroxide 30%
Sodium Hydroxide 30%
Sodium Silicate 20%
Lime Water - Saturated Calcium
- Hydroxide Solution

Miscellaneous Chemicals

Formaldehyde 20%
Hydrogen Peroxide 10%
Javex
Window Cleaner
Vegetable Oil

COLOURS AVAILABLE

- Light grey
- Medium grey
- Clay
- Black

SAFETY PRECAUTIONS

Please refer to the Product Material Safety Data sheets (MSDS).