

SUPER SEAL-30 NON-YELLOWING

TECHNICAL REPORT

SUPER SEAL-30 NON-YELLOWING is a styrene-acrylic copolymer sealer with added U.V. Blockers and Halo-amine Light Stabilizers. It is manufactured by Clemons Concrete Coatings. It is a coating resin solution formulated to achieve both a protective and decorative finish. SUPER SEAL-30 NON-YELLOWING leaves a film forming membrane which will assist the curing of freshly placed concrete.

SUPER SEAL-30 NON-YELLOWING dries by solvent evaporation to a tough protective film that adheres well to metal, concrete, and other masonry surfaces. The coatings have excellent resistance to U.V. light, water, and a wide variety of chemicals. Typical properties of SUPER SEAL-30 NON-YELLOWING are given in Table I.

TABLE I

Typical properties of Super Seal 30

Form.....	Solution
Solids Content, %.....	30+ or - 1
Specific Gravity.....	0.92
Pounds/Gallon.....	7.67
Gallons/Pound.....	0.130
Appearance.....	Clear Solution
Color, Gardner.....	1 max (1933 series)
Dry Time @ 73°F, 50% RH.....	< 1 hour
Foot traffic.....	2-4 hours
Auto traffic.....	24 hours
VOC content.....	600 G/L
Adhesion to Concrete.....	Excellent
Alkali resistance.....	Excellent

FILM

Sward Hardness.....	60
Appearance.....	Colorless, Transparent

CHEMICAL RESISTANCE

The chemical resistance of SUPER SEAL-30 NON-YELLOWING to strong reagents after 24 hours of exposure was determined on 1-mil dry films that had been cast on glass plates. The observations appear in Table II.

Table II

<u>Reagent</u>	<u>Appearance</u>
Acetic Acid, Glacial.....	Blistering
Hydrochloric Acid, Conc.....	Loss of gloss
Nitric Acid, Conc.....	Slight Blistering
Sulfuric Acid, Conc.....	No Change
Sodium Hydroxide, 50%.....	No Change
Gasoline.....	Softened
Motor Oil, SAE 20.....	No Change

SPECIFICATIONS

ASTM C-309, Type 1. Class A & B.....	Passes
ASTM C-1315.....	Passes
AASHTO Specification M-148.....	Passes
USDA	Passes
EPA 40 CPR Part D for Concrete curing & sealing.....	Passes