

I of 2 Pages

General Description

CURE AND SEAL is a modified styrene acrylic sealer designed to cure, seal and prime concrete surfaces. CURE AND SEAL seals in the mixing water present in fresh concrete ensuring the continuous availability of sufficient water for hydration of Portland Cement and develops compressive and tensile strengths of the concrete.

FEATURES

- Complies with specs ASTM C-309 Type Clear
AASHTO-M-148 Type 1 Clear
AASHTO-M-148 Type 1 Transparent
CGSB 90-GP-1a 68, Type 1
- Controls concrete cure for full development,
- Cures, seals, hardens and dustproofs on a single application,
- Protects surfaces during construction,
- Unimpaired by wind and weather.

Uses**FRESHLY PLACED CONCRETE**

CURE AND SEAL is applied to fresh concrete as soon as the workers can apply it without marking the surface and when there is no standing water present. CURE AND SEAL is suitable for use as a curing and sealing membrane on all types of vertical, horizontal, interior or exterior cementitious surfaces. CURE AND SEAL provides a tough glossy film that is resistant to abrasion and common staining materials, prevents the adhesion of cementitious droppings and the penetration of most oils and greases. CURE AND SEAL provides an excellent base for mastic and cutback adhesives used when applying resilient floor tile. CURE AND SEAL should be used where carpet is to be applied since its sealing effect retards efflorescence which shortens the life of the carpet.

Properties of Material

Appearance	Clear Liquid
Viscosity	22 cp @ 23 °C
Flash point	4°C (40°F)
ASTM D 93 TAG CC	
Hardness ASTM D3363	min 3 H
Abrasion resistance	min 150
ASTM C501	
Adhesion to concrete	140 psi
Flexibility	min 6
50 mm mandrel	
Density	0.84
Water retention	min 0.55 g per 100 mm ²
Minimum solids	10%
Drying time	1 hour

Page 2 of 2

Installation Method**NEW CONCRETE**

1. Apply a coat of CURE AND SEAL at the listed rate by brush, short (3/8") nap phenolic compound roller or low pressures sprayer.
2. For best results, apply a second coat to ensure the optimum curing conditions. Allow 4 hours drying time between coats and before opening the area to light traffic. Do not allow heavy traffic until concrete can safely carry the load.
3. Upon completion of construction operations, clean CURE AND SEAL cured surfaces with either a commercial cleaning compound, detergent, solvent or mild alkali and recoat the surface immediately prior to the building turnover. See "Surface Preparation for Concrete - Previously Coated Concrete" for preparation instructions.

Rate of Application**Surface Profile****Application Rate**Smooth Concrete
Cure coat: CURE AND SEAL

	M ² /l	Ft ² /U.S. gal.
Smooth Concrete Cure coat: CURE AND SEAL	5 - 9	200 - 400
Rough Concrete Cure coat: CURE AND SEAL	3 - 5	100 - 200

Rough Concrete
Cure coat: CURE AND SEAL**Clean Up**

Clean tools and equipment with Xylene, toluene or lacquer thinner. To remove dried material, use xylene soaked cloth to soften the material. Clean hands and skin with waterless hand cleaner. Do not use solvents to wash skin.

Packaging

Available in 4 litre (1 gallon), 20 litre (5 gallon) and 205 litre (55 gallon) drums.