



ADHERE BONDS
The Versatile Construction Chemicals



ADHERE CURE

Acrylic polymer based, multi-role curing, sealing and protective membrane

DESCRIPTION

ADHERE CURE is a non-degrading, membrane-forming liquid based on specially formulated acrylic polymer for curing newly placed or freshly de-shuttered concrete; assists in the retention of water during hydration. The resultant film retains sufficient moisture in the concrete to ensure full hydration of the cement; essential for optimum strength development. The cured concrete is typically harder and exhibits a dust free surface

with a reduced incidence of drying shrinkage cracks. Additionally, the membrane acts as a primer system for many subsequent surface-finishes that do not rely on penetration for substrate bond. When applied to floors, the

ADHERE CURE seals and dustproof the surface, eliminating the primary source of abrasion while enhancing durability.

RECOMMENDED USES

ADHERE CURE is a more effective and economical alternative to separate curing and priming/sealing regimes and suitable for use on all concrete surfaces.

- ☐ Surfaces subject to finishing treatments.
- ☐ Economical enhancement of concrete flatwork.
- ☐ In high-rise construction to eliminate the requirement for water.

FEATURES AND BENEFITS

- ☐ Improves moisture retention in concrete
- ☐ Prevents rapid water evaporation
- ☐ Sealer & dust proofer
- ☐ Good abrasion resistance – long protection
- ☐ Reduces drying shrinkage
- ☐ Reduces the incidence of hairline cracks
- ☐ High curing efficiency
- ☐ Non – degrading – no removal required
- ☐ Act as primer for protective coatings

PERFORMANCE TEST DATA

Appearance	: White liquid
Specific gravity White	: 1.07 ± 0.02 @ 25° C

(ASTM E1347)	
Dry film appearance	: white
Loss of Water (ASTM C156)	: < 0.55 kg /m ²
Drying time (ASTM C309)	: Less than 3 Hours

TEST CERTIFICATION/APPROVALS

- ☐ White version - ASTM C 309 Type II Class B

COVERAGE

The recommended rate of application is 4-6 square meters per liter. This corresponds to that at which **ADHERE CURE** has been tested, and at which it attains the claimed degree of curing efficiency. In favorable conditions such as shaded interior surfaces, adequate curing can be achieved with extended coverage rates.

When using **ADHERE CURE** for floor areas where maximum chemical and wear resistance is required, it is recommended that a further coat be applied after 24 hours.

In place of the above recommendations, the rates of cover stipulated in a specification should at all times be observed.

APPLICATION

Surface Preparation

NEWLY PLACED CONCRETE:

Surface must be sound and properly finished.

Surface is ready for application of **ADHERE CURE**, when damp, but not wet, and it can no longer be marred by foot traffic.

NEWLY CURED BARE CONCRETE:

Level any gouges. Remove all dirt, dust, oil, grease, asphalt, and foreign matter. Clean with caustics and detergents as required. Citrus degreaser is excellent for removing oil stains and many curing compounds. Rinse thoroughly and allow drying. Apply **ADHERE CURE** to damp but not wet surfaces.

AGED CONCRETE:

Restore surface to soundness by patching, grouting, and filling cracks or holes. Surface must also be free of any dust, dirt and other foreign

Note:

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matter. Use power tools or strippers to remove any incompatible sealers or coatings. Clean as required, following procedure under "Newly cured bared concrete".

Important Note: Apply ADHERE CURE after 24 hrs of curing of the cube to improve the bonding on the substrate.

Application

Stir **ADHERE CURE** thoroughly before using. Apply a continuous, uniform film by low-pressure spray, short nap roller or brush.

Subsequent surface finishes

ADHERE CURE ensures that the bond is maintained with adhesives used for installing tiles, and other floor coverings. **ADHERE CURE** will act as a primer for paint systems and will enable most surface treatments to progress with minimal delay.

Typical surface treatments that will bond to surfaces with **ADHERE CURE** are:

- ☐ Water based emulsion paints containing PVA, PVC and acrylic co-polymers
- ☐ Thin section polymer modified cementations systems.

For further information regarding compatibility of **ADHERE CURE** ,

Cleaning

Use water to clean rollers and spray equipment before **ADHERE CURE** dries. Any excess cured material will have to be mechanically removed.

SUGGESTED SPECIFICATION

The non-degrading membrane forming curing & sealing compound shall be **ADHERE CURE** acrylic polymer based formulation. The product

shall comply with ASTM C 309 Class B. The product shall exhibit water loss not more than 0.55 kg/m² in 72 hours when tested as per ASTM C156. The product shall form non-degrading abrasion resistance film which shall also exhibit capability as primer for subsequent protective coatings or bituminous overlays.

PACKAGING

ADHERE CURE is available in 5 & 20 liter packs.

STORAGE /SHELF LIFE

ADHERE CURE

Store under cover, out of direct sunlight and protect from extremes of temperature.

Shelf life is 6 months when stored as above.

Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging.

PRECAUTIONS

As with all chemical products, care should be taken during use and storage to avoid contact with eyes, mouth, skin and foodstuffs (which can also be tainted with vapour until product fully cured or dried). Treat splashes to eyes and skin immediately. If accidentally ingested, seek immediate medical attention. Keep away from children and animals. Reseal containers after use. Do not reuse containers for storage of consumable item.

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