



DATA SHEET

MULTICURE AC90™

Water Based Acrylic Resin Curing Membrane - Conforms to AS3799

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PRODUCT DESCRIPTION

Multicure AC90 Water-based Curing Membrane is a Class D, Type 1 curing compound for use on new concrete. It facilitates maximum moisture retention through 28 days curing period to maximise concrete strength and durability.

Multicure AC90 cures, seals and hardens the surface of new concrete, providing increased strength and durability and improved resistance to chemicals and surface dusting when applied by the correct method, at the recommended application rate.

The dry film is not particularly obvious and has minimal darkening on exposure to sunlight. **Multicure AC90** is based on an acrylic resin combined with other additives.

Basic Use

Mainly used on freshly laid concrete floors, car parks, warehouses, bridge ramparts etc. Also used for curing vertical concrete areas immediately after the stripping of forms to assist strength development, improve chemical resistance etc.

Advantages:

- Complies with Australian Standard AS3799
- Meets low VOC requirements
- Doesn't yellow in sunlight
- Compatible with after-trades
- Fast Dry
- No ventilation requirement
- Seals concrete surfaces
- Easy to use

- Eliminates the need for messy curing water, damp hessian or polythene film
- Efficient curing of concrete, assists development of strength, abrasion resistance and durability
- Reduces the likelihood of cracking or dusting at the surface

SPECIFICATION DETAIL

The coating should be applied in a single coat to achieve the required dry film thickness sufficient to achieve the correct curing properties. **Multicure AC90** must be applied in accordance with the manufacturer's application specifications.

Multicure AC90 should be evenly sprayed over the freshly laid concrete as soon as possible after final troweling. Ideally, **Multicure AC90** should be applied as soon as the surface bleed water has evaporated.

IN USE

Mix prior to use. Ensure **Multicure AC90** is homogenous. **Multicure AC90** contains no fugitive dye so care should be exercised to ensure a uniform application is achieved. Calculate area to be treated, pre-measure the volume of **Multicure AC90**. Apply one full coat forming a continuous film at a rate of 5m²/ litre wet or wet as required to obtain the necessary application rate or use the volume. Ensure there are no even coverage across the surface with no missed areas.

Application Equipment - Low pressure spray (preferred) or a soft 10-15mm nap roller. NIL allowable thinning.

Clean Up – water when wet. Xylene, or EASI-ORANGE (allows re- emulsification with water) when dry.

Drying Time – Approximately 1.5-2.0 hours at 25°C. After this time, **Multicure AC90** will be shower resistant, and will resist re- emulsification and consequential removal. This feature will help diminish the potential for wash away by rain within 8 hours of application.

Typical Application Rate: 5m²/litre

Typical Properties:

AppearanceMilky Fluid
Viscosity.....>0.050Pa.s
Specific...0.95-1.0
Flash Point...Not applicable

PRECAUTIONS

Avoid contact with skin, eyes and clothing. Wash thoroughly after handling it. Do not take it internally. Wear skin and eye protection. Please refer to product Material Safety Data Sheet (MSDS) before using.

FOR BEST RESULTS:

- Install by a Seal Hard Australia approved applicator.
- Apply when surface temperatures are between 10°C and 35°C.

STORAGE/SHELF LIFE

Multicure AC90 containers are to be stored in a clean, dry area between 5°C - 40°C. Shelf life of **Multicure AC90** in unopened containers is approximately twelve months if stored in its original sealed container at moderate temperatures.

WEBSITE

Visit www.concordsealers.com.au – **Concord Sealers** convenient website offers instant access to Tech Data Sheets, Material Safety Data Sheets, product updates and other useful information

LIMITATIONS

Certain adhesives for vinyl tiles, or other types of resilient flooring, and paints of an approved grade may be applied to concrete coated with Multicure AC90. It is important, however, that the concrete should be thoroughly cured prior to such application, and that a test area has been completed for approval.

Cement based renders and toppings should not be applied over Multicure AC90. First remove the Multicure AC90 by sand blasting or scabbling to provide a mechanical key. The life of Multicure AC90 will depend on traffic conditions to which it has been subjected; therefore, apply reviving coats as required.

The bond of Multicure AC90 is likely to fail if the product is applied to concrete or masonry substrates subject to back water pressure, and/or where extraneous salt particles are carried from the substrate to the interface by vapour or condensation.

*Chemicals to which Multicure AC90 is not resistant include oxidizing agents such as sodium hypochlorite, bromine water and Sulphur dioxide.

Multicure AC90 may be yellow when subjected to ultra-violet radiation from sunlight.

Multicure AC90 is also not resistant to acetic acid, concentrated phosphoric acid, concentrated nitric acid, chromic acid, concentrated ammonia, animal fats and oils, synthetic oils such as brake fluid and some transmission fluids, vegetable oils and higher fatty acids such as oleic acid plus the following solvent types: aromatic hydrocarbons, esters, ketones and chlorinated

solvents. A clear appearance with slight yellow cast is obtained.