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# DeepSeal AS

## HIGH PERFORMANCE

Water based Acrylic Concrete Sealing Compound

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### DESCRIPTION

**DeepSeal AS** is an advanced acrylic polymer emulsion with a uniquely high glass transition temperature. It dries to form a non-yellowing film with outstanding water resistance, hardness and durability. The wetting properties of the emulsion have been optimised for application to concrete, so that the sealer penetrates below the concrete surface. The polymer film resists penetration by liquids, while allowing the transmission of water vapour to prevent excessive build up of vapour pressure beneath the film. This reduces the likelihood of chalking or crazing of the polymer film that can be caused by the migration of moisture through the concrete substrate. It enhances the colour of concrete, exposed aggregate and pebble-crete, concrete products, and stencilled paving. It contains a proprietary acrylic polymer that imparts outstanding toughness to finished surfaces, reduces efflorescence potential, and resists penetration by oils and fats into the concrete substrate.

### THE DeepSeal AS DIFFERENCE

**DeepSeal AS** is specifically designed to provide outstanding performance in Australia's harsh climate. When it dries the polymer film has a much higher glass transition temperature than other formulas to resist softening in the summer sun. The outstanding hardness of the dried film at high temperatures reduces dirt pick up and scratching and scuffing of the film surface. High performance wetting and levelling additives ensure that the sealer penetrates below the surface of concrete substrates while providing good gloss levels to enhance the appearance of the coated concrete. Advanced emulsion technology gives the safety and convenience of water clean up, with durability and performance better than many solvent-based systems.

### DeepSeal AS offers the following benefits:

**Appearance:** concrete surfaces coated with **DeepSeal AS** will have a lasting 'wet look' that intensifies the colours of pigmented products and exposed aggregates. Reduced dirt pick up means the concrete surface stays cleaner and retains its original appearance for longer.

**Sealing:** Once dried, **DeepSeal AS** will not re-emulsify or hydrolyse when wet, reducing the likelihood of chalking or hazing of the concrete surface. Because it is based on innovative acrylic compounds, **DeepSeal AS** will not yellow when exposed to sunlight, or break down and flake off.

**Hardness:** The high glass transition temperature of **DeepSeal AS** results in a coating of outstanding toughness to better resist scuffing and scratching. The time between recoating is longer, giving substantial savings over the life of the concrete surface.

**Cleaning:** Surfaces coated with **DeepSeal AS** have improved resistance to staining by spilled materials such as oil, barbecue fat, food etc. Surfaces are easier to clean. Chewing gum is easier to remove.

- **Safety:** The low toxicity of **DeepSeal AS** enables it to be used in enclosed spaces with only normal ventilation.
- **Environmental:** Advanced water based emulsion technology means that equipment can be cleaned after use with water rather than with volatile or toxic solvent cleaners.

## PREPARATION

All surfaces to be coated must be clean and dry, free from stains, oil, grease and loose materials such as mortar droppings and dust. Efflorescence should be removed with a dilute acid wash and the area should be thoroughly rinsed with clean water. Test an area first to ensure that the acid does not change the colour of pigmented concrete. **Allow the concrete to dry completely throughout before coating it with DeepSeal AS.** This will allow the sealer to penetrate below the surface of the concrete to provide maximum performance.

## APPLICATION

**DeepSeal AS** may be applied by brush, nap roller, by low- pressure diaphragm sprayer or by a fine hair broom. The surface should be saturated with the sealer. Apply evenly over the entire area to be coated. Don't allow the sealer to form puddles. Brush these out immediately. Don't apply by sprayer in windy conditions where over-spray and mist could carry on to other surfaces. For a more glossy appearance, a second coat may be necessary. This may be applied after the first coat has thoroughly dried.

**COVERAGE** will depend on the surface texture and porosity of the substrate concrete. **DeepSeal AS** will cover an area of 5 – 10 square metres per litre for each coat.

**CLEANUP** Equipment should be washed in water containing a little mild detergent immediately after use. Hardened **DeepSeal AS** on equipment may be removed with acetone or MEK. Spilled **DeepSeal AS** should be diluted with water and absorbed with sand or suitable absorbent media and disposed of according to local regulations.

**AVAILABILITY** **DeepSeal AS** is available in 20lt containers and 200lt drums. For large-scale applications, 1000kg IBC's may be arranged.

**STORAGE** Store in a cool place out of direct sunlight. Keep out of reach of children and away from food. Partially used containers of **DeepSeal AS** should be resealed tightly immediately after use. Protect the containers from excessive heat or freezing conditions.

**PRECAUTIONS** **DeepSeal AS** is non-hazardous in normal use. Normal hygiene should be observed such as washing hands (with soap) before eating, smoking or using the toilet. The dried polymer can be difficult to remove from skin, so wearing rubber gloves and safety glasses during application may be advisable.

Surfaces coated with **DeepSeal AS** may become slippery when wet, so suitable precautions should be taken. For this reason **DeepSeal AS** is not recommended as a coating for swimming pool surrounds.

**SAFETY** Observe good hygiene practices. Avoid breathing spray mist. Avoid contact with skin or eyes. Protective gloves and eye protection are advised. For further information, consult the Material Safety Data Sheet.

The information presented is believed to be accurate, but it should not be construed as a representation for which we assume legal responsibility. Users should conduct their own testing to determine the suitability of any product for a particular purpose. Nothing herein is to be construed as a recommendation or inducement to use our products in violation of any patents. In no event shall Know-How Agencies Pty. Ltd. be liable for any claims for damages, whether based on contract, negligence, liability in tort or otherwise. Our products are sold without any implied warranty of merchantability or fitness for a particular purpose.