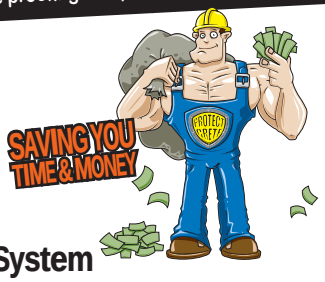
# DENSI-PROOF™

## AS OPTIMUM CURE, SEAL & HARDEN METHOD




PROTECT CRETE®

THE NAME SAYS IT ALL

**Concrete Densifying and Crack Reduction Compensation System**

**Technical Memo 111-DP** issued 21st January 2009

**As a Cure & Seal Method:** Densi-Proof™ is excellent as a concrete curing method, providing a cure equal to, or better than, water curing. Densi-Proof™ as a cure method provides concrete the usual benefits of a highly effective curing agent. Plus, Densi-Proof™ provides special ingredients to the yet available capillary mix water, which is still waiting to participate in hydration's reaction processes, in the plastic or semi-plastic mix, reciprocating acceleration of hydration's reaction rates / processes, in turn generating increased volumes of cement paste / hydration product, in a significantly shorter period of time, utilizing all of the remaining capillary water and leaving none to later evaporate' leaving void spaces. As a result of utilizing all remaining capillary mix water, the concrete's capillary void spaces become more segmented and smaller than usual. However, to receive the very most benefits from Densi-Proof™, as a cure, Densi-Proof™ should be applied as soon as practical following surface finish. Densi-Proof™ provides concrete a superior cure imparting extraordinary strength, surface hardness and impermeability, which translates to greatly-improved durability. The Densi-Proof™ cure method further diminishes porosity / permeability to some varying degree by causing further utilization of the still available mix water content. The Densi-Proof™ cure method leaves no surface residue to later interfere with surface bonding quality, very important where striping or applying a topical. Utilizing Densi-Proof™ as an cure method renders concrete more waterproof, abrasion resistant, freeze damage resistant, dust resistant, acid, and etc. Limitation: Densi-Proof™ contacting glass should be immediately flushed off using water, not allowed to dry since glass' surface may etch. Densi-Proof™ will dull shine on shiny aluminium, aluminium's integrity is not otherwise effected by Densi-Proof™.

### Installation As A Cure Method:

Apply with a low-pressure non-atomizing, spray apparatus such as a pump-tank sprayer or mechanical cure slurry pump or low pressure airless sprayer. Densi-Proof™ is ideally applied to the newly-poured concrete surface as soon as is practical following its surface finishing phase. Should conditions require the surface to be walked on, for application, concrete should be allowed the time to adequately harden, so as not to imprint or mar its surface during application. Recommended minimum coverage rate as a cure method is 4.5 $m^2$ per litre

### Some Advantages of Densi-Proof:

- Preserves Matrix, and Overall Integrity
- Increases Surface Abrasion Resistance
- Excellent As A Coating Or Topping Primer
- Significantly Densifies Concrete
- Internally Waterproofs Concrete
- Greatly Diminishes Permeability
- Provides Internal Humidity Stability
- Improves Thermal Resistance (R-Factor)
- Increases Acid / Chemical Resistance
- Increases Strengths
- Improves Dusting Resistance
- Adds Surface Hardness Integrity

### Technical Data:

**Physical:** Liquid
**Colour:** Cloudy-white (dries clear)
**Odour:** None Specific Gravity: 1.10
**pH:** ±11.5
**Flammability:** None
**Toxicity:** None
**Surface Bond Quality:** Excellent
**Paintability:** Excellent
**Clean-Up Solvent:** Water
**Environmental Impact:** None / Neutral
**R-Factor Increase:** Up To 20 Percent
**User Status:** Friendly
**Spill Clean-Up:** Flush With Water (sewer safe)
**VOC / VOS Content:** Zero

**Ensure you contact your nearest PROTECT CRETE office for full technical bulletins and latest application procedures.**

Non-Toxic
Zero VOC or VOS Content
Environmentally Safe
User Friendly
Odourless
Non-Flammable

AUSTRALIAN MADE®





© PROTECT CRETE AUSTRALIA PTY LTD 14/137 ROOKS ROAD NUNAWADING 3131 Ph: + 61 3 9872 6172 Fax: +61 3 9872 6152 WWW.PROTECTCRETE.COM.AU