

# 10<sup>-9</sup>

- Shopping centres, Supermarkets, Superstores, High rise Buildings, Bridges, Road Barriers, Tunnels



- Pre-cast Buildings
- Patented Concrete Coating

## Decorative Protective Coating for Concrete

- Single process application
- Extends the life of concrete assets
- Permanent anti-graffiti protection

ProGuard is a single coat decorative coating for indoor and outdoor application. Available in any colour the coating exhibits high abrasion resistance, high chemical resistance, permanent anti graffiti and self-cleaning functionalities. The coating provides excellent long-term protection against concrete cancer and corrosion, permanent anti-graffiti function whereby environmentally friendly citrus cleaners can be used to effortlessly remove repeated graffiti attacks.

### Features include:

- \*One coat application process (no priming)
- \*Exceptionally strong bond with concrete
- \*Excellent hiding characteristics on both concrete and old coatings
- \*High weather resistance
- \*UV stable
- \*Stable against salt spray
- \*Excellent carbon dioxide resistance
- \*Excellent water vapour diffusivity
- \*Hydrophobic, self-cleaning surface
- \*Excellent barrier to water ingress
- \*Excellent barrier to chloride ions
- \*Excellent anti-graffiti performance
- \*10 Year Nanokote Pty Ltd Warranty



| Feature  | ProGuard™  | Typical Competitor |
|--|--|--------------------|
| Number of coats                                  | 1  | 3-4                |
| Difficulty to prepare steps concrete for coating | One step (high pressure clean only).<br>No priming | Multiple           |
| Risk of defective application                    | Very Low   | Medium             |
| Easy to clean property                           | ••••   | •                  |
| Pollution Removal                                | ••••   | •                  |
| Solvent / chemical resistance                    | ••••   | None               |
| Bond strength with substrate                     | ••••   | •                  |
| Anti-graffiti performance                        | ••••   | •                  |



### When evaluating suitable coating systems the following requirements should be met:

- The product must be able to be applied directly to concrete without priming as a single coat.
- The product must be able to be applied to damp concrete.
- The product must be able to be applied down to 3°C and up to 95% R.H.
- The product must be able to be achieve pull-off adhesion on concrete of >3.5 MPa.

### Independent Test Results by SGS Australia:

- Initial Surface Absorption Test (ISAT: BS1881:Part 208: 1996): No measureable water flow.
- Durability: This specification provides for a product that maintains coating integrity as described in the table below are QUV/Condensation cyclic expose to 300 hrs in accordance with ASTM D4587.

| Australian Standard               | Description                           | Percentage (%) | Scale (0 - 5),<br>0 being best |
|-----------------------------------|---------------------------------------|----------------|--------------------------------|
| AS 1580.481.1.2:1998              | Discolouration on Pure White          | ~5             | 0 - 1                          |
| AS 1580.481.1.3:1998              | Degree of Dirt Collection             | 0              | 0                              |
| AS 1580.481.1.4:1998              | Degree of Dirt Retention              | 0              | 0                              |
| AS 1580.481.1.7:1998              | Degree of Checking                    | 0              | 0                              |
| AS 1580.481.1.5:1999 (clause 7.2) | Change in Gloss (Visual)              | 80             | 4                              |
| AS 1580.481.1.8:1998              | Degree of Cracking                    | 0              | 0                              |
| AS 1580.481.1.9:1998              | Degree of Blistering                  | 0              | 0                              |
| AS 1580.481.1.10:1998             | Degree of Flaking & Peeling           | 0              | 0                              |
| AS 1580.481.1.11:1998             | Degree of Chalking                    | 0              | 0                              |
| AS 1580.481.1.12:1998             | Degree of Colour Change on Pure White | ~5             | 0 - 1                          |

- The total VOC for ProGuard is 63 g/L.

### Applicator Pre-requisites:

**Must be applied by Nanokote accredited applicator. Please contact Nanokote Pty Ltd.**

The information in this data sheet is based on the current status of technical development as well as experience with the product. However, given the variety of surfaces and ambient conditions, the information provided on this data sheet shall in no way diminish the responsibility of the user to ensure with due care, that our product is suited for the intended purpose, surface and application conditions. Note in particular, that we accept no liability in cases where we have not explicitly stated application purposes and types of use. This data sheet will be superseded by any later version released. As at 06/11.