

## City Paints Anti-Carbonation AquaGuard

**DESCRIPTION:** This product is a superior quality, solvent free, single component; 100% pure acrylic water based topcoat for the protection of concrete, mortar, masonry, natural stone and wood against aggressive environmental attack. Also achieves high aesthetics for quality structures and available in a wide range of colors. The unique UV protected colors offer outstanding protection against destructive effect of UV rays present in Sunlight, Ideal for decorating and protecting exterior surfaces and specially suits as a maintenance product. This product can also be used in interior areas such as Basement car park walls and ceilings as an highly effective anti carbonation coating.

### Product Features:

- **UV resistant and waterproof** – Provides longlife protecting the concrete from carbonation.
- **Permeable to vapour** – Does not allow moisture to build up behind the product stopping damage to coating by osmosis.
- **Decorative and dirt repellent** – Aesthetically pleasing as well as providing protection.
- **High CO<sub>2</sub> and SO<sub>2</sub> diffusion resistance** – Long term protection of repairs or existing structures with only two coats
- Materials that create a hydrophobic surfaces on concrete, can be used as primers to give double the protection – Double the protection without compromising adhesion to the surface
- Anti-fungus
- Excellent color durability
- VOC 0 g/l VOC Comments: This is the theoretical value. Tested value will vary depending on test methodology, accuracy of equipment used for testing and test conditions

Paint Type	Product Type	Finishing	Colour	Pack Size
Water based Pure Acrylic Emulsion	Interior & Exterior	Matt or Silk	Wide range of decorative colors & Special colors on request	USG & 18 Litres

### Recommended Substrate

Cement plaster, concrete, block work, rendered surfaces etc. Any defects in the substrate like surface undulations, cracks, pin holes etc., should be rectified/filled before starting painting

### Technical Data

Drying Time	: Touch Dry :1 hour(Dependent on temperature and humidity) : Hard Dry :3-4 hours(Dependent on temperature and humidity)
Recoating Time	: 2-3 hours (Dependent on temperature and humidity)
Dry Film Thickness	: Around 35-50 µm per coat (based on substrate condition)
No. of Coats	: 2 coats
Theoretical Coverage	: 7.6-11 m <sup>2</sup> per litre (Actual coverage is dependent on substrate condition, application method, application condition and finishing appearance)
Volume Solid	: ~ 46% ± 2.0 % by weight (based on white colour)
Shelf Life	: Up to 24 months in tight sealed container

### Application Method

Brush / Roller Airless Spray	: Dilute the paint with not more than 5% of water. Preferable not dilute for best performance.
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<b>Recommended Coating System</b>		
Sealer / Primer	: City Paints Penetrating Sealer / Acrylic Primer	: 1-2 Coats
Top Coat	: City Paints Anti AquaGuard	: 2 Coats
Remarks	:Other systems may be specified, depending on area of use.	
<b>Surface Preparation</b>		
Remove all loose, defective paint or powdery residues, loose chalk, dust and foreign matter. Repair cracks, uneven surfaces with City Paints All Purpose Joint Compound or suitable fillers. Smoothen the putty / filler areas with sand paper. Surfaces to be painted must be cleaned thoroughly and dry, it must be free from dirt, grease and other foreign matters. Allow all surfaces to dry completely prior to painting. Avoid painting when the moisture content and alkalinity of the walls are still high. (Recommended painting specification requires the moisture content of the walls to be below 16% measured by protimeter and alkalinity of the walls to be below pH9.) Spot prime with City Paints Interior Sealer.		
<b>Cleaning</b>		
Clean up equipment with water immediately after use.		
<b>Safety Precautions</b>		
<ul style="list-style-type: none"> <li>• Keep container tightly closed and keep out of reach children or away from food and drink.</li> <li>• Ensure good Ventilation during application and drying.</li> <li>• When applying paint, it is advisable to wear eye protection.</li> <li>• In case of contact with eye, rinse with plenty of water immediately and seek medical advice.</li> <li>• Remove splashes from skin by using soap or water.</li> <li>• Paint must always be stored in a cool place.</li> <li>• When transporting paint, care must be taken. Always keep container in a secure upright position.</li> <li>• Dispose off any paint waste in accordance with the appropriate Environment Quality Regulations.</li> </ul>		
<b>Note</b>		
<p>* Theoretical Coverage is based on a mathematical formula</p> $\left[ \frac{\text{Volume Solid \%} \times 10}{\text{Dry Film Thickness}} \right] = \text{m}^2/\text{lit}/\text{coat}$ <p>and does not consider LOSS FACTORS. Variables like porosity of substrate, application method, dilution ratio, dry film thickness, opacity and so on will affect the loss factor and can vary from 30% - 50% or even more.</p> <p>The above information is given to the best of our knowledge based on laboratory tests and practical experience. However, since we cannot anticipate or control the many conditions under which our products may be used, we can only guarantee the quality of the product itself. We reserve the right to alter the given without prior notice.</p>		

The information given is intended to give a description of the product performance under specific test conditions. Nevertheless, we cannot assume any responsibility for the use of it since circumstances under which the products are applied in practice are subjected to many variations. We reserve the right to alter the given data without notice.

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