

ANTICARBONATION PRIMER

PRIMER FOR ANTICARBONATION AND WEATHERTEK
PRIMERS, UNDERCOATERS & SEALERS



Description

AntiCarbonation Primer is a water based, alkali resistant primer, designed to penetrate the concrete substrate and to provide an anchor for subsequent exterior top coats.

Recommended For

Interior & exterior applications on concrete and masonry. Particularly indicated for anti-carbonation coating systems.

Key Features

- Very good resistance against weathering and ageing
- Excellent adhesion
- Penetrating primer
- Flexible and crack bridging properties
- High hydrophobicity
- High spatter resistance
- Easy application

Physical Properties

Solvent Type	Waterborne	
Finish Type	Velvet – Gloss Level 2	ASTM D 523
Gloss	10 at 60°	ASTM D 523
Spreading Rate	Approximately 8-10 m ² /Kg	Depending on surface porosity and application techniques
Average Dry Time	Touch-dry in 30 minutes	Based on ASTM D 1640
Recoat	After 2 to 4 hours	
Flash Point	Not Applicable	
Dry Film Thickness	40 to 50 microns depending on application	
Wet Film Thickness (recommended)	80-100 microns in one coat	
Thinner	Water	
Dilution	10%	
Adhesion	3 N/mm ² on concrete	ASTM D4641
Scrub Resistance	Higher than 1200 cycles	Based on ASTM D2486
Contrast ratio	96% at 7 mils	ASTM D2805
Density	1.30 g/cm ³	
Solids by weight	53%	
Solids by volume	48%	
Viscosity	90 KU ± 5KU	ASTM D562
VOC	40 g/L.	
Bases	None	
Colors	White	

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Certifications & Compliance

This product is compliant with the following standards

- Masters Paint Institute #3 – Primer Alkali Resistant Water Based
- Masters Paint Institute #17 – Primer, Bonding, Water Based

Surface Preparation

All surfaces must be cured, clean, dry, and free from dirt, dust, rust, stains, grease, oil, mildew, wax, efflorescence, bond-breakers and other contaminants. Remove all loose, peeling, or chalky paint by sanding, scraping, or any other appropriate methods. Repair all cracks, holes, and other surface imperfections with a suitable patching material. Repaired surfaces should then be sanded smooth and dusted clean. New plaster or masonry surfaces must be allowed to cure (28 days) before applying base coat. Cured plaster should be hard, have a slight sheen and a maximum pH of 10. A soft, porous or powdery plaster indicates improper cure. Never sand a plaster surface; knife off any protrusions and prime the plaster before and after applying patching compound. Poured or pre-cast concrete with a very smooth surface should be etched or abraded to promote adhesion, after removing all form release agents and curing compounds. Remove any powder or loose particles.

CAUTION: Scraping or sanding surfaces of older buildings may release dust containing lead or asbestos. **EXPOSURE TO LEAD OR ASBESTOS CAN BE VERY HAZARDOUS TO YOUR HEALTH.** Always wear appropriate personal protective equipment during surface preparation and finish cleanup of any residues by water-washing all surfaces.

Application Conditions

Do not apply at temperatures below 5 °C or when rain is expected. Stir well. Apply using brush, roller or airless spray.

Application Method

Stir well. Apply using brush, roller or airless spray.

Pack Size

- 1 US Gallon – 4.0 kg
- 1 US Drum – 20 kg

Shelf Life

24 months from the date of production.

Storage and Handling

Care should be taken to avoid spillage. Store in a dry area. Protect from freezing. Extreme temperatures may cause paint to become unusable. For example: freezing and thawing may cause paint to gel, and high heat may cause solid skin to form.

Safety

Use under well ventilated conditions. Do not breathe or inhale spray mist or sanding dust. Avoid skin contact; spillage on the skin should immediately be removed with suitable cleanser, soap and water. In case of eye contact, flush immediately with water for at least 15 minutes and seek medical attention immediately. If you have trouble breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical attention immediately.

Cleaning

Remove as much leftover product as possible from the application equipment before cleaning. Clean equipment immediately after use with warm soapy water and rinse thoroughly. Do not empty product into drains or watercourses.

Technical Assistance

Available through your local COLORTEK® Design Center or through your COLORTEK PAINTS® authorized distributor. For the location of the retailer nearest you, email us at info@colortek.eu or check our website www.colortek.eu.

Disclaimer

Product batches are subject to stringent quality control checks in conformity with ISO 9001:2008, Certificate CH12/1128. The information submitted in this manual is correct to the best of our knowledge & experience. No liability whatsoever can be accepted based on the information supplied herein.