

## Technical data sheet

### **BC Stone Protection:**

*Acrylic Polymer Exterior Sealer for Concrete & Aggregate Surfaces*

### **PRODUCT DESCRIPTION:**

BC Stone Protection is a high-performance, solvent-based acrylic polymer sealer developed for exterior applications on architectural concrete, exposed aggregate, and other decorative cementitious surfaces. It provides a clear, non-yellowing, UV-resistant coating that enhances the radiance, depth, and natural luster of aggregates, while delivering long-lasting protection against environmental deterioration.

### **USES:**

- Precast and architectural concrete elements
- Exposed aggregate slabs, walkways, and walls
- Decorative driveways, patios, and sidewalks
- Vertical and horizontal exterior cured concrete (minimum 28 days old)
- Finish topcoat over compatible decorative surfaces

### **FEATURES & BENEFITS:**

- Clear, non-yellowing, UV-stable finish
- Enhances color, depth, and texture of aggregate and concrete
- Protects against moisture penetration and staining
- Resistant to de-icing salts, freeze–thaw cycles, and mild chemicals
- Easy application with brush, roller, or spray
- Fast drying, durable film formation





## **TYPICAL PROPERTIES:**

| Property                   | Value  |
|----------------------------|--|
| Appearance                 | Clear liquid   |
| Binder Type                | Acrylic polymer resin                                  |
| Finish                     | Gloss (varies with surface texture)                    |
| Specific Gravity           | 0.95 – 1.00  |
| Viscosity                  | 50 – 150 cP (at 25°C)                                  |
| Solids Content (by weight) | 18 – 22%   |
| Coverage                   | 6–10 m <sup>2</sup> /L per coat (varies with porosity) |
| Dry to Touch               | 1–2 hours (at 25°C, 50% RH)                            |
| Recoating Interval         | 4–6 hours  |
| Full Cure                  | 7 days   |
| Service Temperature Range  | -20°C to +80°C   |
| VOC Content                | < 400 g/L  |
| Shelf Life                 | 12 months (in unopened container)                      |

## **SURFACE PREPARATION:**

- Ensure surface is fully cured (minimum 28 days for new concrete).
- Remove dirt, dust, oil, grease, curing compounds, and contaminants.
- For best adhesion, clean with suitable concrete cleaner and rinse thoroughly.
- Surface must be dry and free from standing water before application.





## **MIXING INSTRUCTIONS:**

- Stir BC Stone Protection slowly and thoroughly using a low-speed mixer before use.
- Avoid high-speed mixing to prevent air entrainment.
- Do not thin or dilute unless approved by manufacturer.

## **APPLICATION:**

- Apply using brush, roller, or low-pressure sprayer.
- Two thin coats are recommended for optimum performance.
- Allow 4–6 hours drying time between coats.
- Avoid application during rain, fog, or when surface temperature is below 10°C or above 35°C.
- Do not apply in direct sunlight to hot surfaces to prevent rapid evaporation.

## **COVERAGE:**

- 6–10 m<sup>2</sup>/L per coat (depending on substrate porosity and texture).

## **CLEANING:**

- Clean tools and equipment immediately after use with suitable solvent (e.g., xylene or recommended cleaner).

## **PACKAGING:**

- Available in 20 KG metal pails.



### **STORAGE & SHELF LIFE:**

- Store in original, tightly sealed containers in a cool, dry area away from heat and open flame.
- Shelf life: 12 months from date of manufacture under proper storage conditions.

### **SAFETY PRECAUTIONS:**

- Use in well-ventilated areas.
- Avoid inhalation of vapors and contact with skin or eyes.
- Wear suitable protective clothing, gloves, and safety glasses.
- Refer to Safety Data Sheet (SDS) for full health and safety information.

#### DISCLAIMER

The data presented in this sheet are based on laboratory testing and practical experience. Variations in substrate, application method, and environmental conditions may impact performance. Users are advised to carry out tests under their own conditions. Building Chemistry Industry's responsibility is limited to the product replacement in cases of proven manufacturing defect.

