



Technical Data Sheet

BC PRIME CB 100

Cement-Based Primer Concentrate

1). Product Description

BC Prime CB 100 is a cement-based primer concentrate designed to regulate substrate absorption and enhance bonding for thin-coat finishing renders and decorative coatings. It equalizes surface porosity, improves adhesion, and extends open time of finishing products.

The product is supplied as a pre-mixed powder requiring only clean water for mixing. Suitable for both interior and exterior applications under harsh Middle Eastern climatic conditions.

Application can be performed using a roller, brush, or spray machine.

2). Features & Advantages

- Reduces and equalizes substrate water absorption
- Improves bonding and workability of decorative finishing coats
- Suitable for a wide variety of substrates
- Easy application by roller or spray
- Solvent-free, environmentally friendly
- Suitable for internal and external use

3). Typical Uses

- Primer for cement-based, lime-based, gypsum-based substrates
- Suitable for AAC blocks, renders, blockwork, concrete, fair-faced concrete
- Can be applied over well-adhering old paint layers
- Ideal prior to application of finishing renders like BC Finish 20 Plus, BC Finish White, etc.



4). Technical Data

PROPERTY	VALUE
Composition – Binder	White Cement
Composition – Aggregates	Graded Sand (Max. grain size 0.5 mm)
Composition – Additives	Organic polymers for consistency & workability
Appearance	White Powder
Color	White
Suitable Substrates	AAC, blockwork, concrete, fair-face concrete, gypsum board, paint, red brick, render
Mixing Ratio	8.6 L clean water per 20 kg
Recommended Thickness	0.5 mm
Bond Strength	> 1 N/mm ²
Coverage	Up to 30 m ² per 20 kg
Water Absorption Coefficient	< 1.5 kg/m ²
Conformity / Standards	EN 998-1, EN 1015-18, EN 1015-12

5). Surface Preparation

- Substrates must be dry, clean, sound, and free from dust, grease, oil, curing compounds, and loose materials.
- Ensure concrete, blockwork, and renders are fully cured and shrinkage has occurred.
- Remove loose or poorly adhering old paint.
- Fill minor defects before application.
- Mask and protect adjacent surfaces.

Mixing

1. Add BC Prime CB 100 to clean water (8.6 L for 20 kg bag).
2. Mix using a slow-speed mixer until a smooth, lump-free slurry is achieved.



3. Allow mixture to stand for 10 minutes, then remix before use.
4. Do not add extra water after mixing.

6). Application

- Apply using roller, brush, or spray evenly on the entire surface.
- Stir occasionally during application.
- Allow complete drying (12–24 hours depending on temperature) before applying the finishing render.
- Avoid application during rain, direct sunlight, or when surface temperature exceeds 40°C.

7). Coverage

Up to 30 m² per 20 kg depending on substrate porosity and texture.

8). Packing

20 kg Bag

9). Shelf Life & Storage

- Shelf life: 9 months in original unopened packaging.
- Store in a cool, dry place, away from direct sunlight.
- Keep bags elevated from ground and protected from moisture.

10). Health & Safety

- Avoid contact with eyes, skin, and mouth.
- Wear gloves, goggles, and a dust mask during mixing and application.
- In case of eye or skin contact, rinse immediately with plenty of water.
- If ingested, seek medical attention immediately.
- Use in well-ventilated areas and avoid inhalation of dust.

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.

