

# Technical Data Sheet

## BC Finish Glossy

### Two-Component Aliphatic Polyurethane Gloss Coating

#### 1). Product Description

BC Finish Glossy is a two-component, high gloss, aliphatic polyurethane coating that combines acrylic and aliphatic polyurethane properties. It provides durable chemical and weather resistance and outlasts conventional acrylic, alkyd, epoxy, polyester, and urethane finishes. BC Finish Glossy produces a hard, tough, and abrasion-resistant surface while reducing dirt and pollutant buildup.

#### 2). Features & Advantages

- Excellent color and gloss retention
- Hard and abrasion-resistant finish
- Good chemical and mild solvent resistance
- Resistant to weathering and UV degradation
- Easy application by brush, roller, or spray
- Long pot life for convenient handling
- Suitable for metal, concrete, wood, and fiberglass surfaces

#### 3). Typical Uses

- Protective coating for structural steel, machinery, and metal surfaces
- Concrete floors, walls, and other cementitious substrates
- Wood and fiberglass surfaces requiring high gloss and durability
- Areas exposed to chemical splashes, moisture, and weathering

#### 4). Technical Data

Property	Result / Value
Components	Two (Part A + Part B)
Color	White and custom colors upon request
Gloss	High gloss
Mass Density	~1.2 g/cm <sup>3</sup> (depends on color)



Volume Solids	~47%
Theoretical Coverage	9.4 m <sup>2</sup> / litre at 50 µm DFT
Pot Life	10 hours @ 20°C
Touch Dry	1 hour @ 20°C
Full Cure	16 hours @ 20°C, 8 hours @ 40°C
Shelf Life	12 months (cool & dry place)
Flash Point	27°C
Application Temperature	Surface temperature > 5°C and at least 3°C above dew point

## 5). Surface Preparation

- Concrete: Mechanically prepared (grit blasting, power wire brushing, or equivalent) and primed with epoxy primer (Euco #452 or equivalent).
- Steel / Metal: Grit blasted to remove rust and mill scale; primed with zinc-rich primer.
- Wood / Fiberglass: Cleaned and sanded as required.
- Ensure surfaces are clean, dry, and free from grease, oil, dust, and other contaminants.
- Coatings should not be applied if surface temperature is below dew point.

### Mixing

- Mix components Part A : Part B = 13 : 7 by weight until a uniform mixture is achieved.
- For spray or roller application, up to 5% CEMDUR Thinner may be added if required.
- Mix full 20 kg set only.

### Application

- Apply by brush, roller, or spray.
- Ensure uniform coverage and maintain a wet edge to avoid lap marks.



- Apply within 48 hours after priming; otherwise, re-abrasion may be required.
- Maintain surface temperature >5°C and at least 3°C above dew point during application and curing.

## 6). Coverage

- Theoretical: 9.4 m<sup>2</sup> / litre at 50 µm DFT
- Actual coverage may vary depending on substrate porosity, profile, and application method.

## 7). Packing

- Supplied as a 20 kg set (Part A + Part B)

## 8)Shelf Life & Storage

- 12 months when stored in original, unopened, and undamaged packaging.
- Store in a cool, dry place between +5°C and +30°C.

## 9). Health & Safety

- Consult the latest Safety Data Sheet (SDS) before use.
- Use appropriate personal protective equipment (PPE) such as gloves, goggles, and respirators.
- Ensure adequate ventilation during application.
- Avoid contact with skin, eyes, and inhalation of vapors.
- Follow local regulations for disposal of unused product and containers.

### 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.

