

## Technical Data Sheet

### BC Floor 2000 SL

#### Self-Smoothing, Pigmented Epoxy Resin-Based Flooring System

#### 1). DESCRIPTION

BC Floor 2000 SL is a two-component, solvent-free, pigmented epoxy resin-based floor topping. Designed for application at thicknesses of 1.5–3.0 mm, it provides a seamless, hygienic, and durable surface.

Suitable for use in both hot and tropical climates.

#### 2). USES

BC Floor 2000 SL is recommended for areas requiring a seamless, hard-wearing, chemical-resistant finish, including:

- Food processing and beverage plants
- Warehouses and storage facilities
- Garages and car parks
- Engineering workshops and plant rooms
- Pharmaceutical and cleanroom environments
- Production and assembly areas

#### 3). ADVANTAGES

- Seamless, hygienic, easy-to-clean surface
- Excellent abrasion and impact resistance
- High chemical and mechanical resistance
- Good adhesion to concrete substrates
- Attractive gloss finish with slip-resistant option
- Low maintenance and long service life



#### 4). TECHNICAL PROPERTIES

Property	Test Method	Typical Value
Pot life @ 25°C	–	~60 minutes
Compressive Strength (7 days)	ASTM C579	60 N/mm <sup>2</sup>
Tensile Strength (7 days)	ASTM D638	18 N/mm <sup>2</sup>
Abrasion Resistance (1000 cycles, CS10 wheel)	ASTM D4060	<50 mg loss
Hardness (Shore D)	ASTM D2240	75–76
Adhesion Strength	ASTM D4541	≥1.5 N/mm <sup>2</sup> (failure in concrete)
Impact Resistance	ASTM D2794	No failure at 1.25 m
Slip Resistance	DIN 51130	R12–R13 (depending on finish)
Service Temperature	–	Permanent +50°C / Short-term +80°C
Chemical Resistance	–	Resistant to wide range (list on request)

#### 5). APPLICATION GUIDELINES

- Surface Preparation: Substrate must be clean, sound, and dry (<4% moisture). Remove laitance, dust, and contaminants by mechanical preparation.
- Priming: Apply BC Epoxy primer 349 depending on substrate condition.



- **Mixing:** Mix full unit of Part A & B with slow-speed mixer (300–400 rpm). If filled system is required, add graded quartz filler.
- **Application:** Pour mixed material, spread with notched trowel or pin rake. Roll with spiked roller to release entrapped air.
- **Curing:** Protect surface from moisture, dust, and traffic for at least 24 hours.

## 6). PACKAGING

BC Floor 2000 SL is supplied as a pre-weighted three-component system:

Component	Description	Pack Size
Part A	Epoxy Resin	5.26 kg
Part B	Hardener	2.33 kg
Part C	Special Filler	8.50 kg

## 7). COVERAGE

Product	Application	Approx. Coverage
BC Floor 2000 SL	2 mm thickness	~2.2–2.4 kg per m <sup>2</sup>
BC Primer 349	Primer coat	5–7 m <sup>2</sup> per kg

*(Actual coverage will depend on substrate condition and wastage.)*

## 8). STORAGE & SHELF LIFE

- Store in original, unopened containers at +5°C to +30°C.
- Protect from frost, direct sunlight, and moisture.
- Shelf life: 12 months from date of manufacture.



## 9). HEALTH & SAFETY

- Avoid contact with skin and eyes; wear gloves and goggles during application.
- Use in well-ventilated areas.
- In case of contact, wash immediately with clean water and seek medical attention.
- Refer to Material Safety Data Sheet (MSDS) for full details.

### 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.

