

TECHNICAL DATA SHEET

BC FLOOR TRAFFIC 520

High-Build Solvent-Free Epoxy Coating for Heavy Traffic Areas

1. PRODUCT DESCRIPTION

Two-component, high-build, solvent-free epoxy coating designed for heavy-duty traffic environments.

2. APPLICATION AREAS

BC FLOOR TRAFFIC 520 is formulated for protecting concrete surfaces (both horizontal and vertical) in areas exposed to heavy mechanical and chemical stress, including:

- Industrial floors & factories
- Warehousing & manufacturing facilities
- Airfield workshops
- Food processing plants
- Laboratories and clean rooms
- Car parks, ramps, turning areas & parking bays
- Especially suited for forklift traffic zones

3. PRODUCT FEATURES

- Outstanding mechanical strength
- Excellent abrasion and chemical resistance
- Very low odor, LEED compliant VOC levels
- Glossy, smooth or slip-resistant finishes available
- Wide range of colors available
- 100% volume solids (solvent-free)





4: TECHNICAL DATA

| Parameter | Value |
|------------------------------|--|
| Components | Base: Component A, Curing Agent: Component B |
| Standard Color | Light Grey |
| Gloss Level | High-Gloss |
| Volume Solids | 100% |
| Specific Gravity | 1.5 kg/L (12 lb./US gal) |
| Reference Dry Film Thickness | 400 microns (16 mils) |
| Flash Point | 134°C (273°F) |
| VOC Content (mixed) | 21 g/L (0.18 lb./US gal) |

5. SURFACE PREPARATION

- Surface must be dry, clean, and free of dust, oil, grease, laitance, or contaminants.
- Minimum 28-day cured concrete, moisture content below 4% (ASTM D4263 or equivalent).
- Surface profile per Building Chemistry guidelines.
- All imperfections must be filled before coating.





6. APPLICATION INSTRUCTIONS

Mixing Ratio (by weight):

- Base Component A: Curing Agent Component B
Mix complete contents of both components; stir separately before mixing.

Application Tools:

- Short hair epoxy roller

Cleaner:

BC Tool Cleaner.

Pot Life:

| Temperature | Induction Time | Pot Life |
|-------------|----------------|----------|
| 20°C (68°F) | 0 min | 45 min |

Film Thickness & Spreading Rate:

| Parameter | Low | High | Recommended |
|----------------------------|---------------------|-----------------------|-----------------------|
| Dry Film Thickness | 200 µm | 400 µm | 400 µm |
| Wet Film Thickness | 200 µm | 400 µm | 400 µm |
| Theoretical Spreading Rate | 5 m ² /L | 2.5 m ² /L | 2.5 m ² /L |

The product may be applied at different film thicknesses based on the specific project requirements and area of use. Variations in film thickness will affect coverage rate, drying and curing times, as well as the overcoating interval. Practical consumption may vary depending on surface conditions, application method, and workmanship.

Application Conditions:

- Surface temperature $\geq 10^{\circ}\text{C}$ (50°F)
- Product temperature $\geq 15^{\circ}\text{C}$ (59°F)
- Relative humidity below 75%



- Adequate ventilation required

7. DRYING & OVERCOATING

| | | | |
|-------------|-------------|-------------|-------------|
| Temperature | Surface Dry | Through Dry | Fully Cured |
| 20°C (68°F) | 7 hours | 24 hours | 7 days |

8. STORAGE & SHELF LIFE

| Component | Shelf Life (at 25°C / 77°F) |
|--------------|-----------------------------|
| Base | 18 months |
| Curing Agent | 18 months |

- Store below 40°C (104°F), protected from direct sunlight, rain, or freezing conditions ($\geq 10^{\circ}\text{C}$ / 50°F during transport & storage).

9. HEALTH, SAFETY & ENVIRONMENT

- Refer to the latest Safety Data Sheet (SDS) prior to use.
- Ensure adequate ventilation in confined spaces.

DISCLAIMER

The information provided in this technical data sheet is based on our current knowledge and experience. It is the responsibility of the user to verify the product's suitability for specific applications under actual site conditions. Building Chemistry Industry reserves the right to make changes to this product without prior

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