



Technical Data Sheet

BC Micro Cement

One-Component Polymer-Modified Micro cement

1). Product Description

BC Micro Cement is a one-component, ready-to-use polymer-modified micro cement composed of high-performance cement, mineral fillers, and resins, designed for the creation of seamless decorative finishes on floors, walls, and furniture.

It provides a smooth, continuous surface without joints or cracks, offering excellent adhesion to a wide variety of substrates including concrete, ceramic tiles, marble, and plaster.

2). Features & Benefits

- Excellent adhesion to almost all substrates including tiles, cementitious bases.
- Jointless decorative finish providing a modern seamless look.
- High water and vapor resistance, suitable for wet areas and swimming pools.
- Durable and wear-resistant, with superior abrasion resistance.
- UV and thermal resistant, ensuring long-lasting appearance and stability.
- Fast drying and easy to clean, ideal for both renovation and new projects.
- High thermal conductivity, suitable for use with underfloor heating systems.

3). Recommended Applications

- Decorative seamless flooring for homes, offices, restaurants, and showrooms.
- Bathrooms, kitchens, and showers where waterproofing and easy maintenance are essential.
- Walls and ceilings with seamless faux concrete finish.
- Countertops and furniture surfaces for a contemporary cementitious design.



4). Technical Data

Property	Test Method / Standard	Typical Value
Thickness	—	1 – 2 mm
Dry to Touch	20°C	1 – 2 hours
Dry to Transit	20°C	12 hours
Recoating Time	20°C	2 – 5 hours
Total Coats Required	—	Minimum 2 coats
Full Cure	20°C	24 hours
Adhesion Strength	UNE-EN 13892-8	> 1.0 N/mm ²
Water Absorption	UNE-EN 1323	0.00 ml
Slip Resistance	UNE-ENV 12633	15
Stripe Resistance / Hardness	UNE 67.101	A12
Density	—	~1.75 kg/L
Color Range	—	Grey, White, and Custom Colors
Application Temperature	—	+10°C to +35°C
VOC Content	ISO 11890-2	< 50 g/L (Low VOC)

5). Surface Preparation

- Substrates must be firm, clean, and free of moisture, oil, grease, dust, or laitance.
- Concrete should have a minimum compressive strength of 25 MPa and pull-off strength ≥ 1.0 N/mm².



- Unsound concrete or old coatings must be removed mechanically by shot blasting or grinding.
- Voids, cracks, and blowholes should be repaired using suitable cementitious repair mortars.
- All dust and debris should be completely removed by vacuum or compressed air before applying the product.
- For underfloor heating systems, ensure the system is tested and switched off at least 72 hours before application.

Mixing Instructions

- BC Micro Cement is supplied ready-to-use in sealed containers.
- Mix gently using a low-speed drill (≤ 400 rpm) before application until a homogeneous consistency is achieved.
- Do not add water or other additives.
- Ensure ambient and substrate temperatures are between $+10^{\circ}\text{C}$ and $+26^{\circ}\text{C}$ during application.
- Avoid application under windy conditions or direct sunlight.

6). Application Method

1. Prepare the substrate as described above.
2. Apply the first coat of BC Micro Cement using a steel trowel, maintaining a thickness of 1 mm maximum per layer.
3. Apply with fast, multidirectional movements for a uniform texture.
4. Each new batch should be applied wet-on-wet to prevent visible joints.
5. Allow the layer to dry for approximately 4 hours before sanding.
6. Sand the surface with 60–80 grit paper using a single-disc grinder or orbital sander.
7. Remove dust and apply the second coat in the same manner.
8. After complete drying (12–24 hours), the surface is ready for sealing or topcoat application.



7). Packaging

20 kg poly/paper bag available

8). Storage & Shelf Life

- Store in original unopened containers in a cool, dry place away from frost and direct sunlight.
- Shelf life: 12 months under proper storage conditions.

9). Health & Safety

- Avoid contact with skin and eyes.
- Use protective gloves, clothing, and goggles during handling and application.
- Ensure adequate ventilation during indoor use.
- In case of contact with skin or eyes, rinse immediately with water.
- Do not ingest.
- Refer to the BC Micro Cement Safety Data Sheet (SDS) 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.

