



Technical Data Sheet

BC All Purpose Joint Compound

Water-Based Joint Compound & Finishing Putty for Gypsum Board

1. Product Description

BC All Purpose Joint Compound is a high-viscosity, ready-to-use, water-based jointing and finishing compound formulated with a special emulsion and selected modifiers.

It is specially designed for filling gypsum board joints, holes and cracks, as well as leveling and smoothing gypsum surfaces prior to decorative finishing.

BC All Purpose Joint Compound provides excellent filling characteristics, good adhesion, smooth application and easy sanding, producing a uniform surface suitable for subsequent decorative coating systems.

2. Features & Benefits

- Water-based and easy to apply
- Suitable for gypsum board joints and gypsum surfaces
- Excellent filling and leveling properties
- Fills joints, small holes and cracks
- Smooth and uniform finish
- Easy to apply and sand
- Excellent resistance to shrinkage
- Suitable for multiple-coat application
- Suitable for interior applications
- Easy cleaning of tools with water

3. Recommended Uses

BC All Purpose Joint Compound is recommended for interior applications including:

- Filling joints between gypsum boards
- Filling small holes and cracks
- Leveling gypsum board surfaces
- Smoothing vertical gypsum surfaces
- Smoothing horizontal gypsum surfaces
- General finishing and touch-up work on gypsum substrates



4. Product Information & Technical Properties

Property	Typical Value	Test Method
Product Type	Water-Based Joint Compound / Putty	—
Form	Ready-to-use paste	—
Finish	Matt	—
Color	White	—
Specific Gravity	Approx. 1.75	ASTM D1475
Viscosity @ 25°C	11,000–12,000 mPa·s	ASTM D5269
Solids Content by Volume	Approx. 52%	ASTM D2697
Recommended DFT	150–200 µm	—
Theoretical Coverage	Approx. 1.98 m ² /kg @ 150 µm DFT	—
Surface Dry @ 25°C	Approx. 30 minutes	ASTM D5895
Hard Dry @ 25°C	Approx. 2 hours	ASTM D5895
Minimum Recoating Interval @ 25°C	Approx. 2 hours	ASTM D5895
Full Cure @ 25°C	Approx. 7 days	ASTM D5895
Recommended Thinner	Tap water	—
Minimum Application Temperature	+5°C	—

5. Surface Preparation

The substrate must be sound, clean, dry and free from dust, oil, grease, salts, mould and other contaminants that may affect adhesion.

For previously coated surfaces, remove loose, weak or poorly bonded coatings before application.

Do not apply over wet or moisture-saturated surfaces.



6. Application Guidelines

- Stir BC All Purpose Joint Compound carefully before application.
- The product is supplied ready to use.
- Apply using a suitable paste scraper or putty knife.
- For gypsum board joints, apply the compound evenly along the prepared joint and finish to a smooth surface.
- For leveling applications, spread the compound uniformly over the prepared gypsum surface.
- Apply subsequent coats only after the previous coat has dried adequately.
- A minimum recoating interval of approximately 2 hours at 25°C should be maintained.
- Two coats are normally recommended for a uniform finish.
- Recommended application tools: Paste scraper and Putty knife

7. Recommended Application System

For a complete gypsum finishing system:

Step 1 – Primer

Apply one coat of a suitable compatible water-based primer where required.

Step 2 – First Coat

Apply the first coat of BC All Purpose Joint Compound to fill joints, holes, cracks and surface irregularities.

Step 3 – Second Coat

After the first coat has dried adequately, apply a second coat to achieve a smooth and uniform finish.

8. Coverage / Consumption

Theoretical Coverage:

Approx. 1.98 m²/kg @ 150 µm DFT

Equivalent theoretical consumption:

Approx. 0.51 kg/m² @ 150 µm DFT

Actual consumption depends on joint dimensions, substrate condition, surface irregularity, application thickness and wastage.

9. Packaging

BC All Purpose Joint Compound is available in:

- 20 kg pail
- 25 kg pail





10. Storage & Shelf Life

- Store in the original sealed container in a cool, dry and well-ventilated area, protected from direct sunlight and excessive temperatures.
- Keep containers tightly closed when not in use.
- 12 months @ 25°C when stored in unopened original packaging under the recommended storage conditions.

11. Limitations

- Recommended for interior applications.
- Do not apply on wet or moisture-saturated surfaces.
- Substrate moisture should not exceed 8%.
- Relative humidity should not exceed 70% during application.
- Substrate pH should not exceed 9.
- Ensure adequate ventilation during application and drying.

12. Health & Safety

- Avoid unnecessary contact with skin and eyes during application.
- In case of skin contact, wash thoroughly with soap and clean water. In case of eye contact, rinse immediately with plenty of clean water and seek medical attention if irritation persists.
- For complete health and safety information, refer to the relevant Safety Data Sheet (SDS).

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.

