

PRODUCT DATA

Bostik® Chem-Calk® 2000 ULTIMATE FORMULA SEALANT

ONE-COMPONENT, PREMIUM GRADE, CONSTRUCTION SEALANT

Product Description

Bostik® Chem-Calk® 2000 Ultimate Formula Sealant is a one component, high performance, low VOC construction sealant—making it the ideal sealant when working in environmentally sensitive areas. It exhibits superior sealing capabilities and has been specially designed to seal between many common building materials including vinyl siding, most metals and wood where dynamic movement can be expected.

Chem-Calk 2000 Ultimate Formula is color fast and non-gassing allowing it to be used in aesthetically critical areas for interior or exterior applications. Since it is environmentally positive, its inherent safe benefits do not impede the use or installation in environments with limiting factors.

Typical Applications—Basic Uses

- Seals dynamic movement joints between vinyl siding, fiber cement, aluminum, most metals and common building materials
- Interior and exterior bonds—transitional seal between building materials
- Perimeter seals for windows, doors and other wall penetrations
- Metal building construction

Features and Benefits

- Low VOC and isocyanate-free
- Environmentally friendly
- Non-gassing
- Color fast, non-yellowing formula

Applicable Standards

- ASTM C-920, Use NT, Type S, Grade NS, Class 25, US Fed Specification TT-S-00230, Type II, Class A, CAN/CGSG-19.13-M87

Application Limitations

- Some substrates possess surfaces with challenging bonding issues and can be unpredictable, a Pretest Adhesion Substrate Test (PATS) is highly recommended for these types of substrates.
- Not recommended for sealing horizontal joints such as decks, patios or driveways
- Not recommended for use in sealing submerged joints
- Should NOT be applied to surfaces with protective or cosmetic coatings without any prior qualification
- Should NOT be applied to unpredictably absorbent surfaces such as marble
- Where painting is required, use a good quality acrylic latex paint only; DO NOT use oil-based or alkyd paint on any CC2000 projects.



TYPICAL UNCURED PROPERTIES*

| Property | Value |
|--------------------|------------|
| Skin Time | 40 min. |
| Curing Time @ 77°F | 24–36 hrs. |
| Flow, Sag or Slump | 0.2 in. |

* Values above are not intended to be used in specification preparation.

TYPICAL PROPERTIES** (After 14 days cure at 77°F & 50% RH)

| Property | Value |
|-----------------------|-----------|
| Hardness (Shore A) | 35 |
| Modulus @ 100%, psi | 99 |
| Tensile Strength, psi | 260 |
| Elongation, % | 520 |
| Adhesion in Peel | >25 piw |
| Joint Movement | ±25% |
| UV Resistance | Very Good |

** Values above are not intended to be used in specification preparation.

Preparatory Work

Clean all joints by removing any foreign matter or contaminants that would impede adhesion of the sealant to the building material.

Porous materials are usually treated by mechanical means and nonporous surfaces by a solvent wipe that is compatible with the building substrate being used.

Note: The use of detergent or soap and water is NOT recommended.

Priming: When required, apply a primer. Do NOT allow it to pool or puddle, refer to the primer data sheet for detailed application instructions.

Install backup materials as required to insure that the recommended depth is regulated when using the backup material.

Directions for Use

Cut the nozzle to the desired size and puncture the foil seal. Apply Chem-Calk® 2000 Ultimate Formula Sealant in a continuous motion—"pushing" the sealant to get a good contact on the intended building materials being sealed. Immediately tool the uncured sealant. Remove excess sealant while still uncured. If the sealant cured prior to removal, remove any of the unwanted sealant by mechanical means.

Masking should be done after priming to avoid wicking primer under the tape on rough surfaces or on surfaces where the tape does not adhere tightly. The masking tape should NOT be allowed to touch the clean surfaces to which sealant is to be applied. Soon after applying the sealant and before a skin forms, tooling should be completed in one continuous stroke. **Remove masking tape immediately after tooling is completed.**

Note: For additional installation procedures, please refer to the Bostik Findley's "Technical Sealants Guide" (C95).

Paintability

Chem-Calk® 2000 Ultimate Formula Sealant can be painted with a good quality acrylic latex paint.

Note: Bostik Findley DOES NOT recommend the use of oil-based or alkyd paints on any Chem-Calk 2000 projects.

Packaging

Cartridge, 10.3 oz. (304 ml), 24 per case
Sausage, 20 oz. (600 ml), 12 per case

Colors

| | | |
|--------------|------------------|--------------------|
| White Tan | Almond Bronze | Limestone Stone |
|--------------|------------------|--------------------|

Clean Up

Uncured Bostik® Chem-Calk® 2000 Ultimate Formula Sealant can be easily removed from hands, tools and substrates by using Bostik® Hand & Tool Towels. Removing cured Chem-Calk® 2000 from substrates will require mechanical methods—scrapers, putty knives—prevent damage to adjacent surfaces.

Shelf Life

When stored at or below 80°F (27°C), Bostik® Chem-Calk® 2000 Ultimate Formula Sealant has a shelf life of one year (1 yr.) from the date of manufacture.

Technical Services

Pretested Adhesion Test to Substrates (PATs) Program:

The program is intended to eliminate potential field problems by pretesting Bostik Findley's construction sealants with samples of building materials on which sealant will be applied. The tests will aid in determining the proper surface preparation method, effective solvents for cleaning and whether priming is necessary to achieve optimum adhesion. Following this procedure will help remove many unknown variables that affect field success.

Test samples or coupons should be identified as to manufacturer, origin, designed use, building project, person and firm originating the request. Appropriate sketches or drawings showing the intended use can be helpful. Contact your Bostik Findley representative.

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