



AC 600

Acrylic Latex Caulk

Technical Data Sheet

DESCRIPTION:

BONDAFLEX AC 600 Acrylic Latex Caulk is a one-part, premium quality, low shrinkage, non-sag, multi-purpose, acrylic caulking sealant. Meets the requirements of ASTM C-834 and California Air Resources Board 2003 requirements for Volatile Organic Compound content.

WHERE TO USE:

Construction Application

- Compatible with extruded and expanded polystyrene insulation board
- Perimeter sealing of windows and doors
- Filling gaps between wall and wood
- Counter tops
- Bathroom fixtures
- Vanities
- Plumbing
- Venting
- Wood molding

Structure

- Buildings
- Schools

Location

- Horizontal and vertical
- Interior and exterior
- Above grade

Substrate

- Concrete, masonry, brick, aluminum, wood, natural stones, glass, plaster, dry wall, tile and ceramic

FEATURES

- One-part
- Water-based
- Paintable and sandable
- Non-staining and non-bleeding
- Tack free surface
- Superior gunning and tooling
- Primerless adhesion

BENEFITS

- Ready to use, reducing labor
- Easy clean-up, good for tiling and drywall
- Excellent for trim finishing
- Improved aesthetics
- Low dirt pick-up
- Speed and ease of application
- Speeds application and saves labor

TYPICAL PROPERTIES & PERFORMANCE CHARACTERISTICS

Color:	White
Odor:	Mild
Consistency:	Smooth Paste
Flash Point:	Above 212°F
Vehicle:	Acrylic Latex Polymer
Solvent:	Water
Dry to touch:	30-60 minutes
Cure Time:	5-7 days
%Solids	82% +/-1%
Recommended Storage Temperature:	40°F – 100°F
Recommended Application Range:	45°F – 100°F
Service Temperature Range:	-10°F – 150°F
Shelf Life:	12 Months

PACKAGING

10.1 fl. oz. (300 ml) disposable fixed nozzle cartridges – 24 per carton

STORAGE/SHELF LIFE

When stored in the original, unopened containers at or below 75°F (24°C), shelf life is one year. A product skin may form in pails and drums, remove prior to use. Protect from freezing.

COLOR

White

SURFACE PREPARATION

The substrate must be clean, dry, frost free, sound and free of any oils, greases or incompatible sealers, paints or coatings that may interfere with adhesion.

POROUS SUBSTRATES – clean by mechanical methods to expose a sound surface free of contamination and laitance.

NON-POROUS SUBSTRATES – for cleaning non-porous substrates, use two rag wipe method using either xylene or an approved commercial solvent. Allow solvent to evaporate prior to caulk application.

PRIMING

BONDAFLEX AC 600 ACRYLIC CAULK is designed to obtain adhesion without the use of a primer. Certain substrates may require a primer. Test by applying the caulk to confirm results and proposed application methods. Contact Technical Service for additional information.

JOINT DESIGN

1. The number of joints and the joint width should be designed for a maximum of 5% of joint width at time of installation.
2. The depth of the caulk should be 1/2 the width of the joint. The maximum depth is 1/2 inch (13mm) and the minimum is 1/4 inch (6mm).

3. To control joint depth, use closed cell polyethylene or non-gassing polyolefin backer rod. If joint depth does not allow for backer rod, use polyethylene bond breaker tape to prevent three-sided adhesion.
4. Closed cell backer rod should be 25% larger than joint width; do not compress more than 40%.

APPLICATION

1. Surface must be clean and free of contaminants such as oil, grease, tar, mildew, dirt and old caulk.
2. Do not apply to damp/moist surfaces.
3. Apply above 40°F (5°C) and below 120°F (49°C). Keep from freezing. Exterior applications should be postponed if rain or freezing temperatures are expected within 24 hours.
4. Do not use for high movement or on mirrors. Bond breaker should be used if the joint size exceeds 3/8" x 3/8" (0.95cm).

CLEAN UP

Remove excess caulk from substrate while uncured using soap and water. Cured caulk may be removed by mechanical measures.

LIMITATION

- Do not allow caulk to come in contact with solvent during cure.
- Do not apply in exterior application if rain or freezing is expected within 24 hours.
- Do not use on horizontal traffic bearing applications.
- Do not use in immersed applications.
- Apply caulk when the temperature is above 40°F (4°C) and below 120°F (49°C).
- Maximum depth of caulk must not exceed 1/2 inch; minimum depth 1/4 inch.

- Do not apply to damp or wet substrates.
- Do not apply when vapor transmission may cause sealant bubbling.
- Lower temperature and humidity will extend tack free and cure rates.
- Allow treated wood to age 6 months before application.

FIRST AID

In case of eye contact, flush thoroughly with water for at least 15 minutes. SEEK IMMEDIATE MEDICAL ATTENTION. In case of skin contact, wash affected areas with soap and water. If irritation persists, SEEK MEDICAL ATTENTION. Remove and wash contaminated clothing. If inhalation causes physical discomfort, remove to fresh air. If discomfort persists or any breathing difficulty occurs or if material is swallowed, SEEK IMMEDIATE MEDICAL ATTENTION. Refer to Material Safety Data Sheet (MSDS) for further information.

PRECAUTIONS

KEEP OUT OF THE REACH OF CHILDREN. Use only with adequate ventilation. Keep container closed. Prevent contact with skin, eyes and clothing. Wash thoroughly after handling. DO NOT take internally. Use impervious gloves and eye protection.

May National Associates, Inc.
995 Towbin Ave.
Lakewood, NJ 08701

Ph: 800-641-0234
Fax: 973-473-4222
www.bondaflex.com

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