



ACRYLIC 1000 FG ACRYLIC CAULK

TECHNICAL DATA SHEET

PRODUCT DESCRIPTION:

ERSystems® Acrylic 1000 FG is a smooth easy to apply acrylic latex caulk. It is designed to fill holes, cracks, joints and provide a long lasting seal between most common construction materials. Acrylic 1000 FG is easily workable and extrudable, exhibits tenacious adhesion to a variety of substrates, and is highly flexible over a wide temperature range. Initial skin formation typically occurs within an hour; and may be coated over with acrylic coatings or paints.

TYPICAL PROPERTIES:

Property	Typical Value
Percent Solid:	70%
Viscosity:	12000-15000 cps
Elongation:	500% at 74°F
Tensile Strength:	70.5 psi
VOC Content	47.9 g/l
Weight/Gallon	12.5 lbs.
Low Temp Flexibility	1" mandrel bend at -25°F (-3.9°C) (pass) – no cracking or adhesion loss
Shelf Stability	12 months
Cure time to coat	2-3 hours
Full Cure	7 days at 74°F & 50% RH

TYPICAL USES:

Acrylic 1000 FG Acrylic Caulk is designed to seal openings and to patch cracks in active moving joints and penetrations.

PACKAGING:

- 2 Gallon Plastic Pails

COLOR:

- White

VARIED APPLICATIONS:

- Metal Building Seams/Laps/Bolts
- Sheet Metal Joints, Air Ducts, Metal Flashings, Etc.
- Pre-engineered Metal Panels
- Patching Brick or Masonry Walls
- Siding and Foundation Openings
- Window or Door Frame Openings
- Asphalt Roof Repairs

PREPARATION:

All joints or surfaces to receive Acrylic 1000 FG must be clean, dry, and free from contaminants such as oils, release agents, old caulking, loose paint, dust and free-standing water. Contact ITWPSNA Technical Service before doing an adhesion test.

Clean and prime all rusty metal surfaces with a rust-preventive primer such as Acrylic Metal Rust Primer. Allow to dry completely before applying caulk. Clean new metal with Acetone to remove lacquer, oils, or coatings that could inhibit bonding of caulk.

Masonry and brick surfaces must be cleaned to provide an acceptable bonding surface for Acrylic 1000 FG. Wire brushing, grinding, or sand blasting may be necessary to prepare these surfaces.

APPLICATION:

Acrylic 1000 FG is designed for use with standard caulking guns or industrial pump and flow gun equipment, with approximately 30:1 ratio, can be used successfully for sealant application. Dry tooling is recommended. If necessary, dampen tool with a small amount of clean water.

In joints of ¼" to ½", the sealant depth at midpoint should be 1/4". In joints of ½" to 1", the depth at midpoint should be ¼" to ½". The sealant depth can be controlled in deeper joints by applying a foam backer rod or polyethylene strip.

COVERAGE:

Approximate coverage for ¼" x ¼" joint is 125 lineal feet per gallon

APPLICATION LIMITATION:

- Do not apply at temperatures below 40°F (4.45°C).
- On exterior applications, do not apply if rain is expected within 8 hours.
- Not recommended for below grade application, or areas submerged in water.
- Not recommended for joints or surfaces contaminated with oils or release agents.
- Skylights.
- Service temperature range is -35°F (-37.2°C) to 180°F (82.2°C).
- Substrate temperature range for application is 40°F (4.45°C)–120°F (48.9°C).

CLEAN UP:

Clean tools and equipment with plain water before acrylic sealant dries.

STORAGE:

Always store Acrylic 1000 FG above 40°F (4.45°C) and below 85°F (29.4°C) Keep from freezing.

CAUTION:

Avoid prolonged and repeated contact with skin. Do not take internally. Acrylic 1000 FG may be attacked by some solvents. If solvents are to come in contact with Acrylic 1000 FG, the user should test solvent on a cured sample prior to application, or request information from ITWPSNA Technical Services. Acrylic 1000 FG should not be used in areas of standing water.

PRIOR TO USE OF THIS MATERIAL,
READ ALL APPROPRIATE SAFETY DATA SHEETS

EXCLUSION OF WARRANTIES:

AS TO THE HEREIN DESCRIBED MATERIALS, ITW POLYMERS SEALANTS NORTH AMERICA, INC. MAKES NO WARRANTIES WHETHER EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OR MECHANABILITY OR FITNESS FOR A PARTICULAR PURPOSE. SINCE THE USE OF THE HEREIN DESCRIBED MATERIALS INVOLVES MANY VARIABLES IN METHODS OF APPLICATION, HANDLING AND/OR USE, THE USER IN ACCEPTING AND USING THESE MATERIALS ASSUMES ALL RESPONSIBILITY FOR THE END RESULT. THE PURCHASE OF THIS ITW POLYMERS SEALANTS NORTH AMERICA, INC. PRODUCT IS SUBJECT TO THE TERMS AND CONDITIONS OF AN "AS IS" SALE, AND IF THE PRODUCT IS PROVED TO BE DEFECTIVE, THE EXCLUSIVE REMEDY, AT ITW POLYMERS SEALANTS NORTH AMERICA, INC.'S OPTION, SHALL BE TO REPLACE THE DEFECTIVE ITW POLYMERS SEALANTS NORTH AMERICA, INC. PRODUCT. ITW POLYMERS SEALANTS NORTH AMERICA, INC. SHALL NOT OTHERWISE BE LIABLE FOR LOSS OF DAMAGES, WHETHER DIRECT, INDIRECT, SPECIAL, INCIDENTAL OR CONSEQUENTIAL, REGARDLESS OF THE LEGAL THEORY ASSERTED, INCLUDING NEGLIGENCE, WARRANTY OR STRICT LIABILITY.

Complete technical information is available from
ITW Polymers Sealants North America, Inc.