

# AC-20<sup>®</sup> FTR

(Fire & Temperature Rated) Acoustical & Insulation Sealant



## SPECIFICATION DATA SHEET

### BASIC USES

- AC-20<sup>®</sup> FTR fire-rated systems are suitable for applications in schools, hospitals, churches, high-rise office buildings and hotels, prisons, sports arenas, and other public-use buildings

### MANUFACTURER

**Pecora Corporation**  
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### PRODUCT DESCRIPTION

AC-20<sup>®</sup> FTR is a unique acrylic latex sealant that is UL<sup>®</sup> Classified in firestopping systems for expansion joints and through penetrations. When properly installed, these systems effectively contain fire, smoke, toxic fumes, and water within a given area surrounded by firewalls for a two, three, or four hour period, depending on the design specifications.

**Other Uses:** Excellent adhesive, flexibility and durability qualities make AC-20<sup>®</sup> FTR ideal for insulating and weatherproofing around windows, doors, panels, siding, duct work, base plates, etc. It is compatible with all common building materials including specialties such as polystyrene, polyurethane, cork, vinyl (not for use on cpvc), foamed and fibrous glass.

Used as an acoustical sealant, AC-20<sup>®</sup> FTR reduces sound transmission in partition systems to maintain specific STC values by sealing spaces around cut-outs and at perimeters of partitions. The sealant cures to a tough rubber to form a long-lasting acoustical seal.

### TECHNICAL DATA

**Applicable Standards:** ASTM C-834 specification for latex sealing compounds. USDA acceptance for use in meat and poultry processing plants, ASTM C-919 standard practice per use of sealants in acoustical applications, and ASTM E-90.

**Fire Rated System:** Two-hour Fire and Temperature Rated wall and floor joint systems up to 7" (178mm) wide and four-hour systems up to 4" wide can be designed with AC-20<sup>®</sup> FTR in conjunction with Ultra Block fire blocking material in fire-rated walls and floors. Reference: ANSI/UL 263, ASTM E-119, NFPA No. 251.



UNDERWRITERS  
LABORATORIES INC.<sup>®</sup>  
CLASSIFIED  
JOINT TREATMENT  
MATERIALS  
FIRE RESISTANCE  
CLASSIFICATION  
DESIGNS FFS 0006, WWS  
0010, FFS 2002, WWS  
2008, FFS 1010, WWS 1012

AC-20<sup>®</sup> FTR in conjunction with Ultra Block<sup>®</sup> achieves a 2-hour fire rating when sealing around steel or copper pipe and electrical metallic tubing or steel conduit in through penetration systems. Reference: ANSI/UL 1479, ASTM E-814.

FILL, VOID OR CAVITY MATERIALS  
CLASSIFIED BY  
UNDERWRITERS  
LABORATORIES INC.  
FOR USE IN  
THROUGH-PENETRATION  
FIRESTOP SYSTEM NO. CAJ 1093

### PACKAGING

- 29 fl. oz. (.858 liter) plastic cartridges
- 5-gallon (18.9 liter) pails

### COLOR

- White, Beige-Gray
- Special colors available in 250-gallon (946 liter) batches.

In addition to its fire-blocking value, Ultra Block<sup>®</sup> is very efficient acoustically, having a noise reduction coefficient of .75 and sound transmission coefficient of .5 (Ultra Block<sup>®</sup> is a registered trademark of Backer Rod Mfg. and Supply Co., Denver, CO, USA.)

### INSTALLATION

**Surface Preparation:** Surfaces must be free of all contamination. Sealant may be applied to damp, porous surfaces. No priming is required.

**Application:** Refer to Pecora Technical Bulletin #85J and UL Fire Resistance Directory for installation details on fire-rated joint and through penetration systems. For insulating and weatherproofing purposes, fill all window, door, and panel perimeter joints using a resilient backer rod to control sealant depth to 1/2" (13mm) maximum. For best results, protect sealant from excessive low temperatures and apply above 40°F (4°C). For acoustical purposes, apply continuous beads of sealant to seal perimeters of all sound-rated partitions. Apply sealant in the angles formed by metal components or base-layer panels and abutting surfaces.

TABLE 1: TYPICAL PHYSICAL PROPERTIES

TEST PROPERTY	VALUE	TEST PROCEDURE
Modulus @ 100% (psi)	60-65	ASTM D412
Ultimate Tensile (psi)	80-90	ASTM D412
Ultimate Elongation (%)	200	ASTM D412
Movement Capability (%)	±7 1/2	ASTM D412
VOC Content	31 g/L	ASTM D3960
VOC Emissions (TVOC)	<2 ug (0.002 mg)/cu m	CDPH v1.1-2010

Since Pecora Architectural Sealants are applied to varied substrates under diverse environmental conditions and construction situations it is recommended that substrate testing be conducted prior to application.

Apply sealant around all openings formed for outlets; electrical, telephone, light fixtures, etc.

**Tooling:** Tool material flush with surfaces to allow for expected shrinkage and insure good contact and adhesion to the substrate.

**Cleaning:** Remove excess material with water or a damp cloth before it cures. Sealant may be painted within 30 minutes after application with a good grade of latex paint.

**Shelf Life:** AC-20<sup>®</sup> FTR has a shelf life of one year when stored in unopened containers below 80° F (27°C).

**Precautions:** AC-20<sup>®</sup> FTR is non-flammable, non-toxic, non-irritating and environmentally safe. However, do not take internally.

Ultra Block<sup>®</sup> is a non-carcinogenic processed continuous filament textile glass fiber that may cause skin, eye and respiratory irritation. When applying, wear long sleeves, gloves, cap, goggles or safety glasses and NIOSH/MSHA-approved dust respirator. After use bathe with soap and warm water. Wash clothes separately and rinse after use. Refer to our Safety Data Sheet (SDS) for additional information.

FOR PROFESSIONAL USE ONLY.  
KEEP OUT OF THE REACH  
OF CHILDREN.

### AVAILABILITY AND COST

Pecora products are available from stocking distributors nationwide. For the name and telephone number of your nearest representative, call the number below or visit our website at [www.pecora.com](http://www.pecora.com).

### WARRANTY

Pecora Corporation warrants its products to be free of defects. Under this warranty, we will provide, at no charge, replacement materials for, or refund the purchase price of, any product proven to be defective when used in strict accordance with our published recommendations and in applications considered by us as suitable for this product. The determination of eligibility for this warranty, or the choice of remedy available under this warranty, shall be made in our sole discretion and any decisions made by Pecora Corporation shall be final. This warranty is in lieu of any and all other warranties, expressed or implied, including but not limited to a warranty of merchantability or fitness for a particular purpose and in no case will Pecora be liable for damages other than those expressly stated in this warranty, including but not limited to incidental or consequential damages.

### MAINTENANCE

If the sealant is damaged and the bond is intact, cut out the damaged area and recaulk. No primer is required. If the bond has been affected, remove the sealant, clean and prepare the joint in accordance with instructions under "Installation".

### TECHNICAL SERVICES

Pecora representatives are available to assist you in selecting an appropriate product and to provide on-site application instructions or to conduct jobsite inspections. For further assistance call our Technical Service Department at 215-723-6051 or 800-523-6688.

### FILING SYSTEMS

- CSI Master Format Designation
  - 07 10 00 Waterproofing
  - 07 92 00 Sealants

