



A CSW Industrials Company

# PRODUCT DATA SHEET

## METACALK® COMPOSITE SHEET For Large Temporary Openings

### Description

Metacalk Composite Sheet is a rigid fire resistive panel used to seal penetrations and restore the fire rating to floor/ceilings or walls in which a large opening has been made for the passage of penetrating items. It is made of a reinforced, highly intumescent material which is bonded on one side to a stainless steel sheet. In addition to sealing penetrations through large openings, Metacalk Composite Sheet is also used for shielding cable trays, conduit, and vital process equipment from radiant heat, flame spread and smoke. The Metacalk Composite Sheet functions as an effective intermediate fire-break within horizontal and vertical cable tray runs and is excellent for both new and retrofit construction. When exposed to a fire the material forms a refractory char that retards heat transmission and tightly seals penetrations against flame spread, smoke and toxic fumes. It is lightweight and can be easily installed with common trade tools. It provides up to a 4 hour fire rating.



### Applications

Metacalk Composite Sheet is used to seal penetrations through fire-rated walls and floors and for cable trays, cable, piping and large blanks. It provides a fire resistive smoke seal for any shape opening in concrete block or slabs or gypsum walls for up to 4 hours - UL Classified.

Use Metacalk Composite Sheet to shield cable trays, conduit, panels, valves and vital heat-sensitive process equipment. The product is effective in protecting cable drop-outs, junction boxes and cabinets, as well as providing an intermediate firestop in horizontal and vertical cable tray runs.

### Characteristics | Features

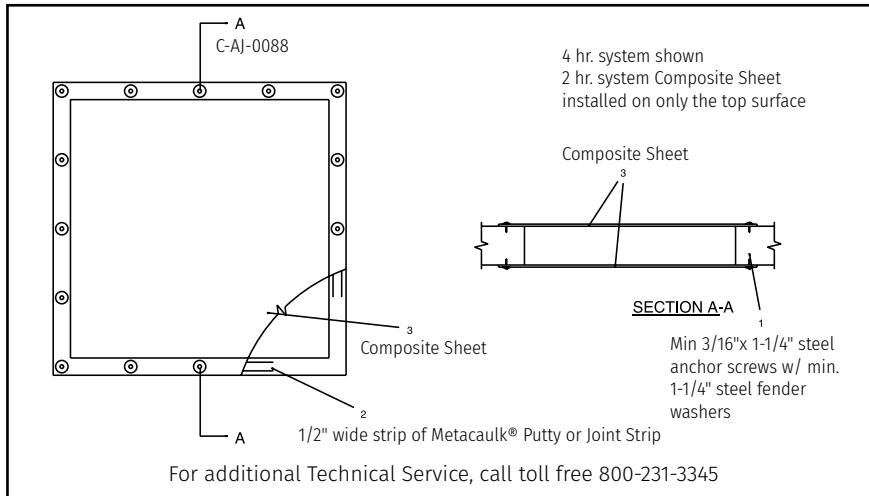
- Intumescent
- Easy to install
- Lightweight
- Stainless steel construction
- Non-flame supporting
- UL Classified
- Re-enterable

### Packaging

Code	Size	Qty. per Case	Dimensions (in)	Cubic Feet
66320	36" x 36"	1	38x38x2	1.67

## Installation Data

Install Metacaulk Composite Sheet using standard sheet metal tools.



### TYPICAL BLANK OPENING INSTALLATION

**Step 1** Cut the Metacaulk Composite Sheet to overlap the opening by a minimum of 2 inches on all sides.

**Step 2** Cut around penetrating items to no more than a 3/8" gap. Secure the sheet to the opening using min 3/8" x 1 1/4" steel masonry fasteners with steel washers. Place along the perimeter and space a maximum 6 inches apart. Install the Composite Sheet with its steel side exposed (facing outward).

**Step 3** Seal the overlap onto the floor/wall using Metacaulk® Putty, Metacaulk Putty Pads or Metacaulk Joint Strip.

**Step 4** Apply a 1/2" diameter bead of Metacaulk® Putty or Metacaulk 1000 at the interface of the penetrating item and Composite Sheet.

## Testing Data

For specific test criteria, refer to the UL Product iQ or call RectorSeal.

Metacaulk Composite Sheet was tested at positive pressure with a minimum 0.01 (2.5 Pa) inch water and in accordance with ASTM E814 (UL 1479). Complies to UL required Accelerated Aging and High Humidity Testing. Tested to the time-temperature requirements of ASTM E119 (UL 263).



## Material Properties

Sheet Size	36" x 36"
Total Thickness	0.15 ±.05 in.
Nominal Weight	1.6 lb/ft <sup>2</sup>
Cure Time	No
Freeze/Thaw	Excellent
VOC	None
Solvent	None

## Inspection & Repair

RectorSeal recommends that a firestop system inspection be conducted during installation of the material in accordance with ASTM E2174 and ASTM E2393. In the event post-installation inspection and destructive sampling is necessary, RectorSeal advises repairing the damaged firestop system by replacing any material that was removed or damaged with the same product originally installed, and ensuring the assembly matches the original firestop listing. RectorSeal advises, that due to the chemical nature of firestop products and sealants, material depth should be determined by measuring the points of adhesion at the substrate bond area as sealants may decrease in size during the curing process.

## Storage & Handling

Metacaulk Composite Sheet should be stored in a clean, dry place.

## Limitations

Metacaulk Composite Sheet is not designed to be used in the areas under continuous immersion or in areas which would be continuously wet. Metacaulk Composite Sheets should not be used against a hot uninsulated surface above 300°F.

## Cautions

**FOR CHEMICAL EMERGENCY, SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT, CALL CHEMTREC-DAY OR NIGHT 1-800-424-9300.**

**PRECAUTIONS:** Do not take internally. May be harmful if swallowed. **FIRST AID:** For any overexposure, get immediate medical attention after first aid is given. **EYES**-Flush 15 minutes with clean water. **SKIN**-Wash with soap and water. **INGESTION**-Only if conscious, give large amounts of water and INDUCE VOMITING. **STORAGE AND HANDLING:** Store away from heat sources. **KEEP OUT OF REACH OF CHILDREN.**

For additional information, refer to Safety Data Sheet.

## Limited Warranty

RectorSeal, LLC makes the Limited Express Warranty that when the instructions for storage and handling of our products are followed we warrant our products to be free from defects. THIS LIMITED EXPRESS WARRANTY IS EXPRESSLY IN LIEU OF ANY OTHER EXPRESS OR IMPLIED WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, AND OF ANY OTHER OBLIGATION ON THE PART OF RectorSeal, LLC. The sole remedy for breach of the Limited Express Warranty shall be the refund of the purchase price. All other liability is negated and disclaimed, and RectorSeal, LLC shall not be liable for incidental or consequential damages.



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