



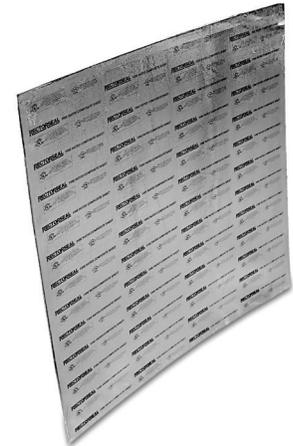
A CSW Industrials Company

# PRODUCT DATA SHEET

## METACALK® COMPOSITE SHEET For Large 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. Non-magnetic #304 stainless steel construction helps ensure good weather ability and virtually no inductive loss in cables. 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 blank openings. 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

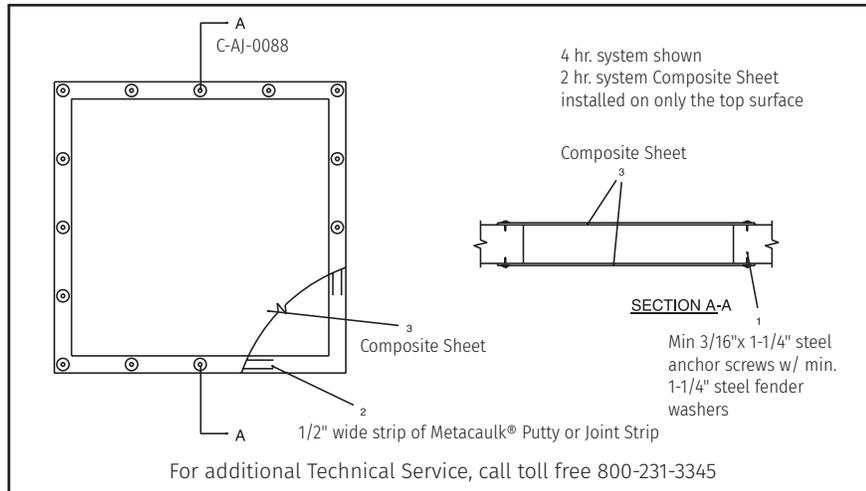
- Intumescent
- Easy to install
- Thinner Sheets
- Re-enterable
- Non-magnetic
- VOC compliant - CDPH Standard method v1-2
- Tested in accordance with ASTM E814 (UL 1479)
- Complies to UL required Accelerated Aging and High Humidity Testing

### 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 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 Accelerated Aging and High Humidity Environmental Exposure Tests for Intumescent Material per UL 1479 Fire Test of Through-Penetration Firestops. Tested to the time-temperature requirements of ASTM E119 (UL 263).



FBC™ System Compatible\* indicates that this product has been tested, and is monitored on an ongoing basis, to assure its chemical compatibility with FlowGuard Gold®, BlazeMaster® and Corzan® piping systems and products made with TempRite® Technology.

The FBC System Compatible Logo, FBC™, FlowGuard Gold®, BlazeMaster®, Corzan® and TempRite® are trademarks of Lubrizol Advanced Materials, Inc. or its affiliates.

## 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.

## Material Properties

Sheet Size	36" x 36"
Total Thickness	0.15 ±.05 in.
Nominal Weight	1.6 lb/ft <sup>2</sup>
Cure Time	None
Freeze/Thaw	Excellent
VOC	None
Solvent	None

## 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

Refer to Safety Data Sheet (SDS)

**KEEP OUT OF REACH OF CHILDREN.**

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

## Limited Warranty



For more information on our product limited warranty, visit [RectorSeal.com](http://RectorSeal.com)



Manufactured by **RectorSeal LLC • 2601 Spenwick Drive, Houston, TX 77055, USA • 800-231-3345 • Fax 800-441-0051 • RectorSeal.com**

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