

Fire-Rated Sure Cavity™

FRSC 5016
FRSC 5032

Fire-Rated Rainscreen Drainage Plane



Conforms to ASTM E84
Class A / Class 1 Fire Rating

Applications

- ✓ Fire-Rated Systems
- ✓ Stucco, Thin Stone or Thin Brick
- ✓ Natural Stone
- ✓ Full Brick
- ✓ Fiber Cement, Cedar Siding
- ✓ Roofing Applications

Fire-Rated Sure Cavity™ (FRSC 5016, FRSC 5032)

Why Fire-Rated Rainscreen?

No wall is waterproof. Today's "tighter" buildings increase the risk of moisture and mold problems that rainscreen systems greatly reduce by enabling moisture to swiftly exit the building envelope. Municipalities are increasingly requiring fire-rated walls for multi-story residential structures. Fire-rated rainscreens are inexpensive insurance to mitigate the risk of wall failure and meet stringent building codes.



Rigid channels don't compress, creating predictable drainage

The MTI Advantage

- ✓ Fire-Rated Sure Cavity™ Conforms to ASTM E84, Class A / Class 1
- ✓ Unobstructed Drainage
- ✓ Vapor Permeable for Full Ventilation
- ✓ Resists Compression, Reduces Waviness
- ✓ Cut Install Time by 50% (vs. furring strips)
- ✓ Mortar Blocking Fabric & Bug Screen
- ✓ 20 Year Warranty



Thin Stone with Fire-Rated Sure Cavity™ rainscreen drainage plane

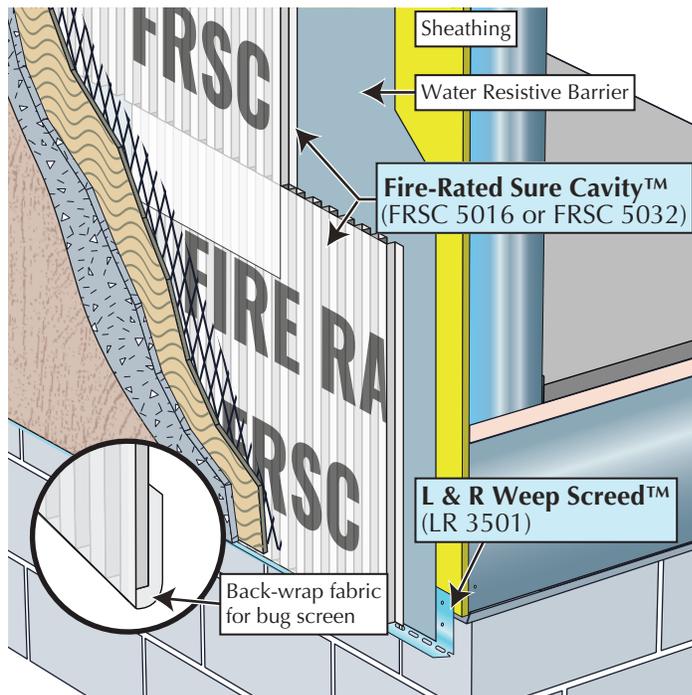
MTI MASONRY
TECHNOLOGY
INCORPORATED

December 2022

Detail Drawings • Free Consultation • Videos
info@mtidry.com 800-879-3348 MTIdry.com

Installation

- Install Fire-Rated Sure Cavity™ rainscreen outboard of water resistive barrier. Mortar-blocking fabric faces installer.
- Back-wrap 4" fabric skirt to create bug screen on the lowest course. 4" fabric skirt will lap shingle fashion in subsequent courses.
- Corrugated material to be butted at seams. Do not overlap corrugated material. It is not necessary to align channels. Wrap rainscreen around corners and extend to nearest structural member.
- Fasten every 24" on-center with a hammer stapler over nailable surfaces. On masonry backup walls use dime-size dabs of adhesive to hold in place. Installing lath or veneer will ultimately sandwich rainscreen in place.



Complete installation at MTIdry.com/installation

Technical Information

Material Description

Perforated and corrugated spunbond polyester body with an adhered spunbond polyester fabric.

Fire Rating

ASTM E84, Class A / Class 1

Water Vapor Transmission

23.9 grains/hr•ft² (ICC-ES AC48)

Permeability

266 perm•inch (ASTM E96)

Fungi Resistance

Growth rating = Less growth compared to (control) material passing results

Compressive Strength

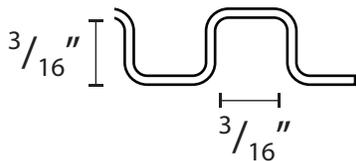
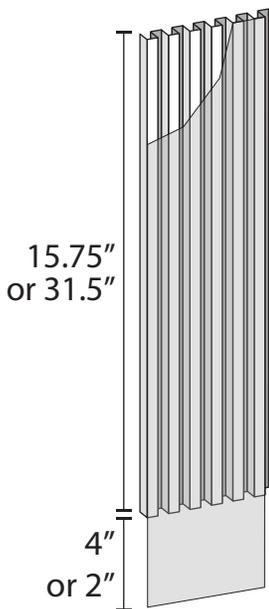
10% Displacement = 6.90 psi

Vapor Permeance

57.8 US Perms (ICC-ES AC48)

Modulus of Elasticity

107.3 psi



FRSC 5016 has a 2" skirt

Fire-Rated Sure Cavity™

FRSC 5016, FRSC 5032



For Fire-Rated Systems

	FRSC 5016	FRSC 5032
Depth (drainage gap)	3/16 in (5mm)	
Roll Length	50 ft	
Roll Width	15.75 in	31.5 in
Roll Coverage	66 ft ²	132 ft ²
Pallet	4,224 ft ²	4,224 ft ²

Questions about application, installation or ordering?
MTIdry.com/fire-rated-sure-cavity

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