

Product Description

Georgia-Pacific Temperature Rise Mineral Core is a recognized component for use in steel covered composite type fire doors. The core has been tested and listed by Underwriters Laboratories Inc. and carries a 3-hour maximum rating for duration to fire and a maximum temperature rise of 250° at 30 minutes.

Parameters

Maximum Door Sizes	4/0 8/0 single, 8/0 8/0 pairs
Minimum Door Thickness	1-3/4" singles and pairs
Maximum Rating	3-hour singles, 1-1/2-hour pairs
Face Thickness	16 through 20 gauge
Minimum Latch Throw	1/2" singles, 3/4" pairs
Top/Bottom Bolts	any

Core Thickness

1.656" minimum

Physical Properties

Property		Sample Size
Density, nominal (pcf)	27	
Flexural Strength (lbf) (GP method, references ASTM C 473, method B)	106-194	6" x 16"
MOR (psi)	158-288	6" x 16"
Compressive Strength (psi) (GP method, references ASTM C 472)	275-440	4" x 4"
Tensile IB, minimum (psi) (ASTM D 1037)	24	2" x 2"

Temperature Rise Characteristics

Fire testing conducted at Underwriters Laboratories Inc in accordance with ANSI/ UL 10-B, ANSI/ UL 10-C, and NFPA 252 measured a temperature rise (the temperature which developed on the

unexposed face of the door at the end of 30 minutes of fire exposure) of 215° F. The limit for the 250°F temperature rise rating was 250°F plus ambient (71°F) or 321°.

Core

Maximum 5 pieces per door (minimum piece size 10" wide by 10" high). Cut to size available.

Labeling

Identification "GP-MD" on end and UL component mark.



Adhesive

Please confirm performance of adhesive with the adhesive manufacturer. Adhesives should be approved for use with steel composite type constructions.

Vision Panels

May be used with any UL classified glazing material up to 100 sq. in. visible glass size or larger depending on specific product classification.

Hardware

Ball bearing hinges, listed and labeled continuous hinges, listed and labeled pivot hinges. Latches as restricted by the door manufacturers follow up procedure, latch throw not to exceed 1/2" for singles, 3/4" for pairs.

Astragals

Based on door manufacturers listings.

Double Egress Pair Doors

May be used based on door manufacturers design and follow up procedure. Confirm applications with testing certification body.



SALES INFORMATION AND ORDER PLACEMENT

Sales

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Order Placement

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WARRANTIES, REMEDIES AND TERMS OF SALE

For current warranty information for this product, please go to www.gpgypsum.com and select the product for

warranty information. All sales of this product by Georgia-Pacific are subject to our Terms of Sale available at www.gpgypsum.com.

UPDATES AND CURRENT INFORMATION The information in this document may change without notice. Visit our website at www.gpgypsum.com for updates and current information.

CAUTION: For product fire, safety and use information, go to gp.com/safetyinfo.

HANDLING AND USE WARNING: Sanding, machining or abrading this product after drying may generate dust which can irritate eyes, nose, throat, skin and upper respiratory tract. Use wet sanding to minimize dust generation and always maintain proper ventilation in the work area. Avoid breathing dust and minimize contact with skin and eyes. Wear long sleeve shirts, long pants and eye protection. Use a dust mask or NIOSH/MSHA approved respiratory protection while sanding, machining and during clean-up as appropriate. For additional product fire, safety and use information go to

www.gp.com/safetyinfo or call 1-800-225-6119.

FIRE SAFETY CAUTION: Passing a fire test in a controlled laboratory setting and/or certifying or labeling a product as having a one-hour, two-hour, or any other fire resistance or protection rating and, therefore, as acceptable for use in certain fire rated assemblies/systems, does not mean that either a particular assembly/system incorporating the product, or any given piece of the product itself, will necessarily provide one-hour fire resistance, two hour fire resistance, or any other specified fire resistance or protection in an actual fire. In the event of an actual fire, you should immediately take any and all actions necessary for your safety and the safety of others without regard for any fire rating of any product or assembly/system.