

# USG MICORE® 300

## MINERAL FIBER BOARD

### Versatile, high-performance core or substrate

- Easier to handle and superior performance than particle board
- Outstanding versatility adapts to a variety of applications
- Smooth, coated finish maintains tighter tolerance
- Exceptional tackability
- Good sound control
- Class A surface burning characteristics per ASTM E84
- GreenGuard Gold Certification; qualifies as a low VOC emitting material (meets CA 01350)

### DESCRIPTION

USG Micore® 300 Mineral Fiber Board is a superior substrate for fabric and vinyl-covered panels in a variety of applications. It offers outstanding resilience, great machinability and high density while remaining lightweight. USG Micore 300 also provides great acoustical performance to help reduce noise in open plan interiors and the inorganic mineral fibers resist moisture to minimize expansion and warping.

### INTENDED FOR

- Use in a variety of applications including tackboards, wall panels, office dividers and baffles
- Laminate with a variety of finish materials

### PRODUCT DATA

#### THICKNESS AND WEIGHT<sup>1</sup>

THICKNESS <sup>1</sup>	STANDARD SIZE <sup>2</sup>	WEIGHT
3/8" (0.375)	4' x 4'	0.63 – 0.81 psf
7/16" (0.438)	4' x 4'	0.73 – 0.95 psf
1/2" (0.500)	4' x 4'	0.83 – 1.08 psf
5/8" (0.625)	4' x 4'	1.04 – 1.35 psf
3/4" (0.750)	4' x 4'	1.25 – 1.63 psf

1. Thickness tolerance  $\pm 0.015"$
2. Width and length tolerance  $\pm 1/16"$

### PHYSICAL PROPERTIES

Surface burning characteristics	Flame Spread <sup>1</sup>	25
	Smoke developed <sup>1</sup>	10
Density	23±3 pcf	
Modulus of rupture <sup>2</sup>	350 psi	
Modulus of elasticity <sup>2</sup>	25,000 psi	
Tensile strength (parallel to surface) <sup>2</sup>	170 psi	
Hardness (Janka Ball) <sup>2</sup>	55 lbs.	
Hygrometric expansion (50% to 70% R.H.)	0.1%	
R-Value (1/2") <sup>2</sup>	1.08	
K factor (1/2") <sup>2</sup>	0.48	

1. Per ASTM E84.
2. Values shown are production averages.

ACOUSTICAL PERFORMANCE<sup>1</sup>

THICKNESS	STC RATING	NRC (MIN.)
3/8"	24	—
7/16"	24	0.25
1/2"	25	0.30
5/8"	26	0.30
3/4"	28	0.30

1. Based on perforated product only. Published STC and NRC values are based on laboratory tests. Actual field acoustical performance may differ depending on acoustical performance of all other products and systems used with USG Micore 300 Mineral Fiber Board as installed.

NOTES/LIMITATIONS

1. Avoid exposure to excessive or continuous moisture. Installation and occupancy conditions should not exceed 85 °F/70% RH.
2. Not intended to be painted. Painting will impair the acoustical and fire performance and will void all manufacturer warranties.
3. Not intended for use with ceramic tile.
4. Do not stack higher than 3 pallets high.

**PRODUCT INFORMATION**  
See usg.com for the most up-to-date product information.

**GREENGUARD INFORMATION**  
GREENGUARD Certified products are certified to GREENGUARD standards for low chemical emissions into indoor air during product usage. For more information, visit [ul.com/gg](http://ul.com/gg).

**DANGER**  
May cause cancer or damage to lungs from presence of respirable crystalline silica through prolonged or repeated exposure by inhalation. Do not handle until all safety precautions have been read and understood. Avoid breathing dust. Use only in a well-ventilated area, wear a NIOSH/ MSHA-approved respirator. Cut and trim with a utility knife or hand saw to minimize dust levels. If a router is used, it must have a dust collection system. Wear protective gloves/protective clothing/eye protection. If exposed or concerned: Get medical attention. If eye contact occurs, flush thoroughly with water for 15 minutes. Remove contact lenses and continue rinsing. Dispose of in accordance with local, state, and federal regulations. For more information, call Product Safety: 1-800-507-8899 or see the SDS at [usg.com](http://usg.com).

**KEEP OUT OF REACH OF CHILDREN.**

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**SAFETY FIRST!**  
Follow good safety/industrial hygiene practices during installation. Wear appropriate personal protective equipment. Read applicable SDSs and literature before specification and installation.



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