

## TYPICAL RATINGS FOR SUPER FIRETEMP® L AND SUPER FIRETEMP® M

Use this table to estimate the thickness of Super Firetemp L or Super Firetemp M. The table represents the most common applications. More specific information is available from Industrial Insulation Group. For Structural Steel fire protection, use Super Firetemp L unless the product is going to be exposed to physical abuse such as warehouses, then use Super Firetemp M.

### THICKNESS REQUIRED FOR STRUCTURAL STEEL (E119) - NORMAL BUILDING CODE FIRE

	1 hr	2 hr	3 hr	4 hr
TS 4x4x3/16	1"	2"	3"	4"
TS 8x8x1/4	1"	1½"	2½"	3½"
W 4x13	¾"	1½"	2½"	3½"
W 10x49	¾"	1½"	2"	2½"
W 14x228		½"	¾"	1"

### THICKNESS REQUIRED FOR STRUCTURAL STEEL (UL1709) - 2000°F HYDROCARBON FIRE

	1 hr	2 hr	3 hr	4 hr
TS 4x4x3/16	1½"	2½"	3½"	4½"
TS 8x8x1/4	1"	2"	3"	4"
W4x13	1"	2"	3"	4"
W10x49	¾"	1½"	2"	2½"
W 14x228		½"	¾"	1"

### WALLS - (E119) NORMAL BUILDING CODE FIRE

Wall Rating	SFM	SFL
1 hr	2"	2½"
1½ hr	2½"	3"
2 hr	3"	3½"
2½ hr	3½"	4"
3 hr	4"	4½"
4 hr	5"	5½"
5 hr	5½"	6"

### THICKNESS OF SUPER FIRETEMP M FOR CABLE TRAYS AND RACEWAYS

	15 min	30 min	45 min
E119		1"	1½"
UL 1709	1"	1½"	

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Industrial Insulation Group, LLC manufactures MinWool-1200® mineral fiber pipe, block and a variety of other insulations; Thermo-12® Gold Calcium Silicate pipe and block insulation; Microporous Blanket insulation; Super Firetemp® fireproofing board; SprouleWR-1200® Perlite pipe and block insulation; high-temperature adhesives, and insulating finishing cement. The physical and chemical properties presented herein represent typical, average values obtained in accordance with accepted test methods and are subject to normal manufacturing variations. They are supplied as a technical service and are subject to change without notice. Numerical flame spread and smoke developed ratings are not intended to reflect hazards presented by these or any other materials under actual fire conditions. Check with the Customer Service Office to assure current information. All Industrial Insulation Group products are sold subject to the Johns Manville Limited Warranty and Limitation of Remedy. For a copy of the Johns Manville Limited Warranty and Limitation of Remedy, email [info.industrial@jm.com](mailto:info.industrial@jm.com).

**CUSTOMER SERVICE**  
**TECHNICAL & GENERAL INFORMATION**  
(800) 866-3234

 **Johns Manville**  
Industrial Insulation Group  
2100 LINE STREET • BRUNSWICK, GA 31520