

7511.0507 SECTION 507, FIRE PROTECTION WATER SUPPLIES.

Subpart 1. **IFC section 507.3.** IFC section 507.3 is amended and sections added to read:

507.3 Fire flow. Fire flow requirements for buildings or portions of buildings and facilities shall be determined by an approved method. If no municipal water supply exists, the minimum water flow and duration requirements for new buildings, portions of buildings hereafter constructed, or buildings moved into or within the jurisdiction shall be as specified in Table 507.3.

507.3.1 Fire flow for Group R-3 or Group U occupancies. No minimum fire flows are required for Group R-3 occupancies or Group U occupancies with less than 5,000 square feet of floor area (465 m²).

TABLE 507.3

MINIMUM FIRE FLOW REQUIREMENTS

Hazard Classification [Note 1]	Sprinklered Building [Note 2]	Unsprinklered or partially sprinklered building	Duration (minutes)
Light Hazard	100 gpm available for fire department use	250 gpm available for fire department use	30
Ordinary Hazard	250 gpm available for fire department use	500 gpm available for fire department use	60
Extra Hazard	500 gpm available for fire department use	750 gpm available for fire department use	90
High Piled Combustible Storage	Hose stream demand from sprinkler installation standard (NFPA 13) or 500 gpm, whichever is larger	1,000 gpm available for fire department use	120
Other Group H Occupancies	Hose stream demand from sprinkler installation standard (NFPA 13, MSFC Chapter 57, etc.) or 500 gpm, whichever is larger	1,000 gpm available for fire department use	120

[**Note 1:** Light, ordinary, and extra hazard are as defined in NFPA 13, Standard for the Installation of Automatic Sprinkler Systems.]

[**Note 2:** In sprinklered buildings, when a fixed water supply is used for the sprinklers, the hose stream available for fire department need not come from the fixed source (i.e. tank).]

Subp. 2. **IFC section 507.5.1.** IFC section 507.5.1 is amended to read:

507.5.1 Where required. Where a portion of the facility or building hereafter constructed or moved into or within the jurisdiction is more than 300 feet (91.5 m) from a hydrant on a fire apparatus access road, as measured by an approved route around the exterior of the facility or building, on-site fire hydrants and mains shall be provided where required by the fire code official.

Exceptions:

1. For Group R-3 and Group U occupancies, the distance requirement shall be 400 feet (122 m).
2. For buildings equipped throughout with an approved automatic sprinkler system installed in accordance with Section 903.3.1.1 or 903.3.1.2, the threshold for requiring on site fire hydrants and mains shall be increased to 400 feet (122 m).
3. For Group R-3 buildings equipped throughout with an automatic sprinkler system installed in accordance with Section 903.3.1.1, 903.3.1.2, or 903.3.1.3, the threshold for requiring on site fire hydrants and mains shall be increased to 600 feet (183 m).

Statutory Authority: *MS s 299F.011; 326B.02*

History: *32 SR 10; 40 SR 1437*

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