
SC219 Fire Testing of Equivalent Water-Based Fire Extinguishing Systems

(Oct 2007)
(Rev.1
July 2022)

{Interpretation of IMO MSC/Circ.1165, Appendix B, 4.5.4.1, as amended by MSC.1/Circ.1237 and MSC.1/Circ.1269}

Regulation {IMO MSC/Circ.1165, Appendix B, 4.5.4.1, as amended by MSC.1/Circ.1237 and MSC.1/Circ.1269} reads as follows:

4.5.4 Duration of test

4.5.4.1 After ignition of all fuel sources, a 2-min preburn time is required before the extinguishing agent is discharged for the fuel tray fires and thermal management tests and 5-15 s for the fuel spray and heptane fires and 30 s for the Class A fire test (Test No.7).

Interpretation

For flowing fire (Test No. 6), the 4 m² fire tray below the engine mock-up should be filled with a 50 mm water base and the ~~3-m²~~ fire tray on top of the engine mock-up should be filled with a 40 mm water base. The fuel should be ignited when flowing down the side of the mock-up, approximately 1m below the notch. The pre-burn time should be measured from the ignition of the fuel.

Note:

1. This Unified Interpretation is to be applied by all Members and Associate for systems approved on or after 1 July 2008.
2. Rev.1 of this UI shall be uniformly implemented by IACS Societies for systems approved on or after 1 July 2023.

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