
Requested by RG Systems
Industrial Area Villalonquéjar Number 6
Merindad de Montija Street, Burgos, SPAIN

Order 7 March 2008 / Raul Melgosa VTT-V-27533-08

Handled by VTT Technical Research Centre of Finland
P.O.Box 1000, FI-02044 VTT, Finland
Contact person: Peter Grönberg

Task Evaluating the extinguishing effectiveness of the RG Systems fire protection system in accommodation and public space areas on passenger ships according to IMO Res.A.800 (19)

Date of test 17 April - 8 May, 2008

The product tested RG Systems water mist fire protection system, RG Systems EMM-633656 C nozzles.

Test method IMO Res.A.800 (19) (Revised Guidelines for Approval of Sprinkler Systems Equivalent to that Referred to in SOLAS Regulation II-2/12) Appendix 2 (Fire Test Procedures for Equivalent Sprinkler Systems in Accommodation, Public Space and Service Areas on Passenger Ships) and FP52/21 Annex 3 Amendments to Revised Guidelines for Approval of Sprinkler Systems Equivalent to that Referred to in SOLAS Regulation II-2/12 (Resolution A.800(19)).


Test site VTT large fire test hall


Summary This report describes eight fire extinguishing tests that were conducted in accordance with the above mentioned test method. The tested nozzle type was RG Systems EMM-633656 C.

The nozzle EMM-633656 C was tested with 3.8 m nozzle spacing and a minimum pressure of 130 bar at the nozzles, for the open public space and corner public space fire test scenarios for a ceiling height of 2.5 m.

All the tests were witnessed by representatives of Lloyd's Register EMEA.

Espoo, 5 February 2009


Kimmo Kaukanen
Team Leader


Peter Grönberg
Research Scientist

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