



SOUTHWEST RESEARCH INSTITUTE

Fire Testing and Quality Assurance Services for Maritime Products

Southwest Research Institute® (SwRI®) is a leader in fire resistance and material flammability testing for compliance with the International Maritime Organization (IMO) Resolutions.

SwRI is recognized as an independent testing laboratory and quality assurance agency by the U.S. Coast Guard and accepted by Det Norske Veritas, Lloyd's Register of Shipping, the American Bureau of Shipping, and other classification societies.

Type Approval Process

SwRI provides third-party quality assurance and follow-up inspection services and testing for marine product approvals to meet U.S. Coast Guard and IMO Fire Test Procedure (FTP) Code requirements. Products in good standing in SwRI's program are listed in SwRI's Directory of Listed Products (www.swri.org/listing-labeling).

*Flame spread testing
per Part 5 of Annex 1
of the IMO FTP Code*

*SwRI provides inspection
services in support of "type"
or "case-by-case" approvals*



Production
and Quality
Control
System Audit

Qualification
Testing

Type
Approval

Follow-Up Inspections
and Indicative Testing

Advanced science. Applied technology.

 <p>LISTED BY: Southwest Research Institute® San Antonio, Texas</p>  <p>USCG Approval No. _____</p>	<p>[Product Name]</p> <p>Manufactured by: [Manufacturer] [Location]</p> <p>Met requirements for interior finish materials (bulkhead, wall, and ceiling linings) as specified in Part 2 and Part 5 of Annex 1 of the IMO FTP Code. Part 2 testing for smoke and toxicity was not required.</p> <p>SwRI® ID No. _____</p>	<p>Typical SwRI label for interior surface finish materials</p>



Exceeding clients' expectations by providing world-class, innovative fire research, testing and product certification services

IMO FTP Code – International Code for Application of Fire Test Procedures

SwRI has the facilities and personnel required to perform testing in accordance with parts of the IMO FTP Code Annex 1:

- Part 1 – Non-combustibility Test
- Part 2 – Smoke and Toxicity Test
- Part 3 – Test for A, B and F Class Divisions
- Part 4 – Test for Fire Door Control Systems
- Part 5 – Test for Surface Flammability
- Part 6 – Test for Primary Deck Coverings
- Part 7 – Test for Vertically Supported Textiles and Films
- Part 8 – Test for Upholstered Furniture
- Part 9 – Test for Bedding Components

IMO International Code of Safety for High Speed Craft (HSC Code)

SwRI performs the following tests for fire-restricting materials:

- ISO 9705 Room Corner Test
- ISO 5660 Cone Calorimeter

USCG Guidelines for Fire Performance of FTP Gratings

- Material Characteristic Test
- Structural Fire Integrity Tests

We welcome your inquiries. For additional information, please contact:

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Fire Technology Department
Listing and Labeling Section
Chemistry and Chemical Engineering Division

Accreditations and Approvals

The Fire Technology Department is ISO/IEC 9001 Registered by NSF International Strategic Registration, Ltd. The Department is ISO/IEC 17020 and ISO/IEC 17025 accredited by International Accreditation Service (IAS) and accredited by the Occupational Health and Safety Administration (OSHA) as a Nationally Recognized Testing Laboratory (NRTL).

fire.swri.org

SOUTHWEST RESEARCH INSTITUTE

Southwest Research Institute® is a premier independent, nonprofit research and development organization. With eleven technical divisions, we offer multidisciplinary services leveraging advanced science and applied technologies. Since 1947, we have provided solutions for some of the world's most challenging scientific and engineering problems.

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