

11/23-F36

Quality and conformity marks

- Conformity Mark (CE-Mark) for Construction products

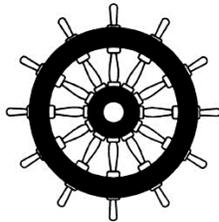


- European Notified Body Code Number: 0766

- Our cooperation partner SATRA certifies on the base of our reports for the UKCA sign



- Testing of non-combustibility and surface-flammability of materials for shipbuilding according to IMO 2010 FTP Code for wheelmark certification



- Ceilings and wall coverings
- Surface coatings
- Adhesives
- Floor coverings

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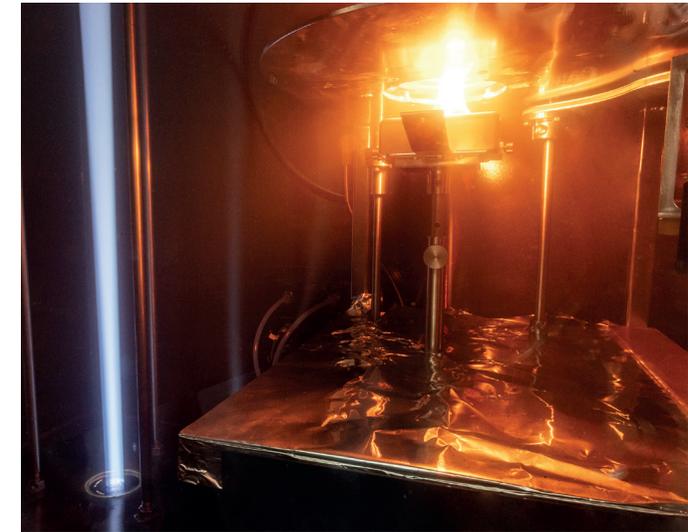
Surface testing

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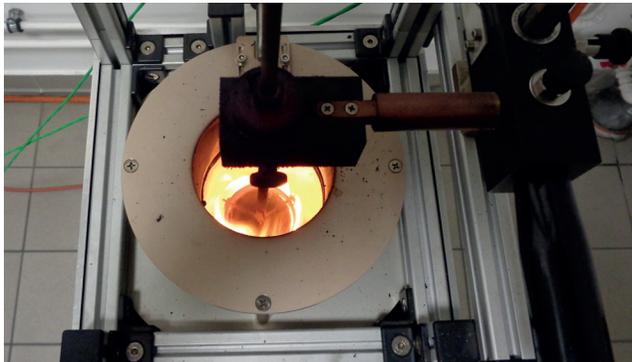


Technician for fire testing

Reaction to Fire Testing



for construction products and
shipbuilding



Proof of non-combustibility

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Test procedures

- Single-flame source test for determination of normal flammability according to EN ISO 11925-2 (e.g. for underlay materials)
- Determination of the oxygen index according to EN ISO 4589-2 at ambient temperature and according to EN ISO 4589-3 at elevated temperature
- Testing with Cone-Calorimeter according to ISO 5660-1 including SBI-simulation (ConeTools)
- Determination of the gross heat of combustion (calorific value PCS) with Bomb-Calorimeter according to EN ISO 1716
- Reaction to fire of floor coverings with Radiant Panel Test according to EN ISO 9239-1 and ASTM E648
- Reaction to fire of floor coverings, wall and ceiling materials for shipbuilding according to IMO 2010 FTP Code, Part 5 (surface flammability)
- Proof of Non-combustibility according to IMO 2010 FTP Code, Part 1



Reaction to fire of floor coverings (Laminate, Resilient floor covering, Parquet)

Test procedures/Expertise

- Non-combustibility test according to EN ISO 1182 (building products and floor coverings of European Classes A1/A_{1n} and A2/A_{2n})
- Proof of a building's products propensity to continuous smouldering according to EN 16733
- Determination of the optical density by a single-chamber test (smoke chamber) according to EN ISO 5659-2

Our experts are actively involved in the standardization of floor coverings (CEN/TC 134 and ISO/TC 219) and regularly take part in exchanges of experience between the IMO recognized Fire Testing Bodys under German flag and the group of Notified Bodys for Fire Testing of Construction Products (SH02).



Continuous smouldering of building products (insulation materials)

Testprocedures/Certifications

The Entwicklungs- und Prüflabor Holztechnologie GmbH, short „EPH“, is:

- Accredited laboratory according to the ISO 17025
- Notified Testing Laboratory and Notified Product Certification Body for resilient, textile and laminate floor coverings according to EN 14041, for wood flooring according to EN 14342 as well surfaces for sports areas according to EN 14904 after the European Construction Products Regulation (CPR)
- Horizontal European Notified Testing Body for Reaction to Fire Testing according to: EN ISO 1182, EN ISO 11925-2, EN ISO 1716 and EN ISO 9239-1
- Recognized Laboratory for Fire Testing according to IMO Resolution MSC.307 (88) 2010 FTP Code, Part 1 (non-combustibility) and Part 5 (surface flammability)
- DIBt Testing Body for underlay materials and floor covering coatings

Announcement: In 2025, the new SBI (Single Burning Item) test stand, which is required for classification testing of construction products such as wall and ceiling claddings of higher fire classes, will be put into operation. The test procedure in accordance with EN 13823 will also be included in the list of DAkkS-accredited test standards and in the notification as a fire testing body in 2025.