

Chartek 7

Protecting lives, protecting assets

Fully certified to ISO 22899 jet fire standard and compliant with NORSOK M-501 revision 5 System 5A.

Chartek[®] 7 provides corrosion protection throughout the design life of the asset, retaining its fire protection properties and significantly reducing maintenance expenditure.

- ISO 22899 jet fire certification up to 3 hours
- NORSOK M501 revision 5 compliant and UL1709 exterior listed for absolute corrosion protection
- Unrivalled track record spanning 15 years, 5 continents and 1000+ installations
- Most widely certified epoxy intumescent in the world. Approved by LR, DNV, ABS and BV
- Tough, durable and resistant to impact and vibration damage
- Provides fire and cryogenic spill protection when used in combination with Intertherm[®] 7050
- Extensive global network of technical and field service support



Chartek 7 is the world's leading epoxy intumescent fire protection system

The Chartek® brand has a 40 year track record of protecting oil and gas installations against explosion, hydrocarbon pool and jet fires.

Chartek® products can be found on offshore platforms, FPSOs, refineries, petrochemical plants, LNG terminals and LPG storage facilities across the world.



Extensive certification using the most up to date fire standards

As a leading manufacturer, International® has made a significant contribution to the development of the ISO 22899 jet fire standard. Meeting this standard has led to jet fire Type Approvals for Chartek® 7 from class societies such as Lloyds Register and DNV.

Chartek® 7's jet fire certification for durations of up to 3 hours, compliments its extensive pool fire testing in accordance with ISO TR 834-3. Type Approval Certification also covers resistance to blast where Chartek® 7 is resistant to 4 bar over pressure.

Cold spill protection

Chartek® 7 can be used as a duplex system with Intertherm® 7050 providing insulation and preventing the brittle fracture of steel in the event of a large LNG spillage. Chartek® 7 is itself resistant to cryogenic exposure without detriment to fire protection performance. Independent third party testing has demonstrated the product's effectiveness after contact with cryogenic liquids.

Highly durable

Compliance with Norsok M501 revision 5 system 5A gives clients complete confidence in Chartek® 7's fire performance, even when the top-coat is poorly maintained or absent. ISO 20340 cyclic testing used in the Norsok standard is in good agreement with in field performance. Pull off test values greater than 3MPa after completion of ISO 20340 testing ensures that the integrity of the fire protection will be maintained for its service-able life.

Enhanced productivity

Rapid hardness development allows the specification thickness to be delivered quickly minimising impact to build schedules. Application with minimal waste makes it an efficient product to apply. Chartek® 7 has a low installed weight per unit area for a given fire rating. The flexible carbon fibre HK-1™ mesh is simply incorporated during application and is safer to use than metal alternatives as it does not require welded pins.

Pre-cast panels of Chartek® 7 allow easy installation of passive fire protection for equipment and structure requiring regular inspection.

Reduced hazard in a fire

Safety is of paramount importance to us. Chartek® 7 has been tested to IMO 61(67) standard, successfully meeting the criteria set by the industry. It does not contain any halogenated raw materials and has a Class 1 rating as per ASTM E84.

World leading service

Chartek® 7 is manufactured globally in our dedicated factories. Full technical support and technical service is available for all Chartek® projects wherever they are in the world.

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