

Focus on Thermal Barriers



HOT OR COLD - WE'VE GOT IT COVERED

Leighs Paints understand the massive challenges that the energy industry can face. Dealing with the possibilities of extreme temperatures, aggressive chemicals and hydrocarbon fire conditions, requires protective coatings which perform when you need them most.

Providing insulation and protection against both cryogenic spillage and hydrocarbon fire; our composite system provides you with the ideal safeguard against potential damage to critical plant and equipment.



SUPPORT & SERVICE

Working with you to find the most effective solution, Leighs Paints' experienced Technical Services team are on hand to offer you the support you need. Whether you require a bespoke specification, site survey or assistance, our team of experts offer you complete backup at all stages of your project.

Coupled with our dedicated Customer Services and Supply Chain teams, you can feel confident that you will receive the product you require, on time and in full.

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THE CHALLENGE

All Epoxy Intumescent Passive Fire Protection products share a common feature; they must be used on surfaces continually operating below 80°C. This limitation can pose a challenge for support structures and equipment operating at higher temperatures, where alternative solutions can be susceptible to water penetration and therefore corrosion.

THE SOLUTION

FIRETEX® M89 is a seamless, 100% solids, epoxy resin based insulation product. It can be used at operating temperatures as low as -75°C and as high as +150°C. As a fully tested, fully compatible insulating layer, **FIRETEX® M89** can be used in conjunction with the **FIRETEX® M90** Series to provide protection against hydrocarbon fire, jet fire and cryogenic spillage.

TESTING

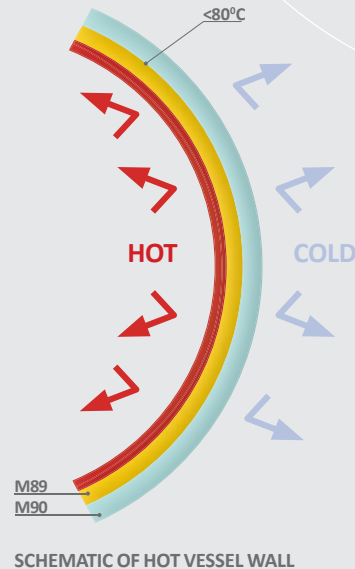
FIRETEX® M89 has been tested for freeze-thaw cycling, impact resistance, flexibility, compressive strength and adhesion. As well as resistance to salt, and fresh water immersion.

FIRETEX® M89 has been tested in conjunction with the **FIRETEX® M90** Series products following a strict regime; systems are immersed in liquid nitrogen and then immediately exposed to the extreme temperatures of a 60 minute hydrocarbon fire test to UL1709. Despite the enormous thermal shock, the system remains intact and provides the required fire protection.

This composite system has also been tested to Hydrocarbon Curve (NPD/BS.476 Part 20/21 – Appendix D), Jet fire standard, and blast testing in excess of 4 bar (witnessed by Advantica and BRE).

OTHER USES

FIRETEX® M89 can be used in isolation to provide protection for vessels, pipe work, decks and bulkheads. **FIRETEX® M89** can also reduce surface temperatures, providing personnel protection.



SCHMATIC OF HOT VESSEL WALL