



DARSHIELD Fire Protection Enclosures - Actuators

Product Description

Darshield are fully fire and blast tested and certified systems consisting of a rigid stainless steel construction encapsulating ceramic fibre thermal insulation. Darshield system is extensively used by the offshore industry. Darshield is a durable unique fire protection system, which provides passive resistance to high temperature and flame impingement for electrical, pneumatic, structural, and other systems in the event of fire. Darshield has been in world-wide IN-SERVICE use throughout the Oil & Gas, Offshore, and Petrochemical industry for over 15 years

Darshield are robust enough to withstand the effects of repeated exposure to minor fires, an often hostile environment and frequent in-service removal and replacement.

Darshield's key characteristics include: -

- Blast testing up to 1.62 bar and jet fire testing have been successfully carried out on the Darshield System.
- Able to withstand a hydrocarbon flame temperature in excess of 1200oC.
- Control the temperature rise of the protected equipment
- Provide protection for up to 120 minutes
- Able to withstand jet fire
- Able to withstand blast pressure

Applications

Darshield is the ultimate durable solution for the protection of:

- Valves
- Actuators
- Junction boxes
- Control units



Certification

Darshield has been approved and verified by Lloyds and other certifying authorities for applications for the protection of critical control equipment

Darshield is a fully compliant product, certified by both Lloyds and DNV and successfully meets the following requirements:

- Jet Fire – 2 hour duration at Sintef NBL, the Norwegian Fire Research Institute and 2 hour duration at the Buxton H.S.E. Fire Test Facility
- Blast overpressure – Blast tests up to 1.6 Bar at the Building Research Establishment, Cardington

	<p>Thermal Limitec Pte Ltd 78 Joo Koon Circle, Jurong, Singapore 629099 Tel: +65 6861 5124 Fax: +65 6861 2854 info@thermal-limitec.com www.thermal-limitec.com</p>
--	--