



A global provider of coatings



Legal Jotun entities worldwide are shown. For details of branch offices and Jotun representation in countries not shown, please visit jotun.com

35 production facilities globally

65 companies in 45 countries

Represented in over 100 countries

Jotun is one of the world's leading manufacturers of paints, coatings and powder coatings.

We have 65 companies in 45 countries and 35 production facilities in 21 countries on all continents, and are represented in over 100 countries with our network of agents, branch offices, distributors and sales offices around the world.

Our operations cover development, production, marketing, R&D and sales of paints and coatings to protect and decorate surfaces in residential, shipping and industrial markets.



- Easy to exchange trained technical personnel across national borders and multi-national projects.
- Compulsory training for all technical and sales personnel in marine and protective segments. Most of our coating advisors and technical personnel have FROSIO and/or NACE certification.
- Same competence in maintaining company standard procedures globally.



FOR A MORE COLOURFUL WORLD, WE ALL NEED TO BE A LITTLE GREENER

Jotun recognises the responsibility it has to the environment and has established its own GreenSteps programme.

Through the GreenSteps programme we address market demand for more sustainable coatings solutions.



Jotun Marine Coatings and Jotun Protective Coatings offices worldwide

Legal Jotun entities worldwide are listed. For details of Branch offices and Jotun representation in countries not listed, please visit jotun.com

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Designed and produced by RMP Design & Marketing Ltd, Hull, England www.rmmpdesign.com Part Number: 8MM059013/03/16/3K



Jotatherm TB550

THERMAL INSULATION FOR CRYOGENIC SPILL PROTECTION AND HEAT REDUCTION



Jotatherm | TB550

Thermal insulation for cryogenic spill protection and heat reduction

Jotatherm TB550 is a two component solvent free syntactic epoxy thermal barrier, providing heat reduction, protection against cryogenic spill and long term corrosion protection:

- Long term durability with low life cycle cost
- 100% volume solids – 0 g/l (EPA 24 Method)
- Easy hand or spray installation
- Highly resistant to damage, impact and abrasion
- VOC-US/Hong Kong US EPA Method 24 (calculated) 0 g/l
- Light weight – applied density of 0.57g/cm³
- Can be used in conjunction with Jotachar epoxy intumescent to provide duplex insulation and fire protection systems for numerous applications

Cryogenic spill scenarios

Where cryogenic liquids are accidentally released, there is a high risk of critical steel structures being subjected to low temperature brittle fracturing.

Examples of high risk areas:

- LNG and FLNG carrier decks
- LNG carrier structural steelwork
- LNG loading jetties and structures
- LNG pipe support structures

Liquefied natural gas (LNG) is usually stored and transported in liquid form at a temperature of approximately -162°C (-260°F).

When combined, Jotachar and Jotatherm provide a fully tested duplex system to the most rigorous industry standards:

- Tested and passed to ISO 20088 for Cryogenic Spill Protection
- Tested and passed to the ANSI/UL1709 Rapid Rise Fire Test following Cryogenic Immersion
- Tested and passed to ISO 22899 for Jet Fire Protection

Physical Properties	Value	Standard
Coefficient of Thermal Expansion	31 x 10 ⁻⁶ cm/(cm °C)	ASTM E228
Thermal Conductivity	0.091 W/(m K) @25°C	ASTM C177
Compressive Strength	49.24 MPa	ASTM D695

Substrate temperature reduction

Jotatherm can be used to extend the usable temperature range of Jotachar epoxy passive fire protection materials with substrate temperatures up to 150°C in service.

Flare radiation protection

Protecting Jotachar epoxy passive fire protection materials from the effects of radiated heat from nearby flare stacks in oil and gas installations.

Personnel protection

Jotatherm TB550 protects against injury from process pipework, vessels or other equipment operating at temperatures above or below acceptable limits.

Process insulation

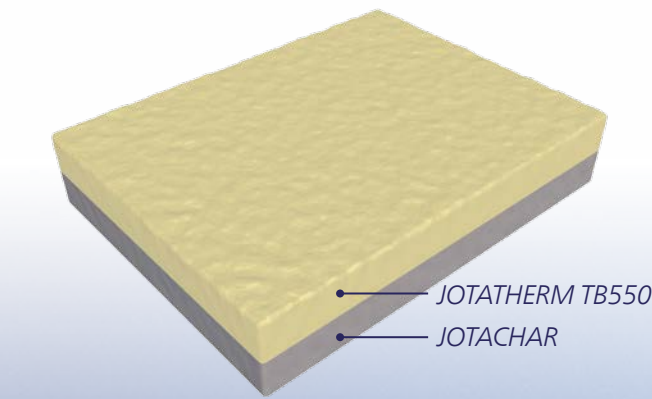
Jotatherm can be used as a highly durable insulation solution combined with long term corrosion protection.

Duplex systems combining corrosion and fire protection

Jotatherm is engineered using the same innovative technology as the Jotachar range of mesh-free epoxy passive fire protection materials.

It provides durable, stand-alone or fully compatible duplex systems (i.e. Jotatherm TB550/Jotachar or Jotachar/Jotatherm TB550).

DUPLEX SYSTEM: JOTATHERM TB550 / JOTACHAR



Duplex systems for:

- Cryogenic spill scenarios
- Substrate temperature reduction
- Flare radiation protection

Stand-alone solutions for:

- Personnel protection
- Process insulation

DUPLEX SYSTEM: JOTACHAR / JOTATHERM TB550

