

Fire protection for missile launch area

Vikodeck™ Shield

Protecting structures and critical equipment from fire hazards is of paramount importance in the defense industry. Having effective and reliable surface protection is vital to ensuring on-board safety and protection of assets. Missile launch areas are zones with extra ordinary challenges due to potential damages related to blasts. Vikodeck™ Shield has successfully passed multiple fullscale tests with different missile types, for several customers applications.

Vikodeck™ Shield is designed to offer robust passive fire protection and thermal mitigation for any structure, wall or deck that is vulnerable to fire, high temperatures and corrosion. It dampens, is water repellent, flexible and minimizes corrosion and wear on the area protected. Vikodeck™ Shield can be used specifically to protect from missile blast scenarios, dampening high impact on decks and provide non-skid deck protection. Vikodeck™ Shield is made from Firestop™ rubber which is fire resistant and withstands extreme high temperature and severe erosion for a period of time.

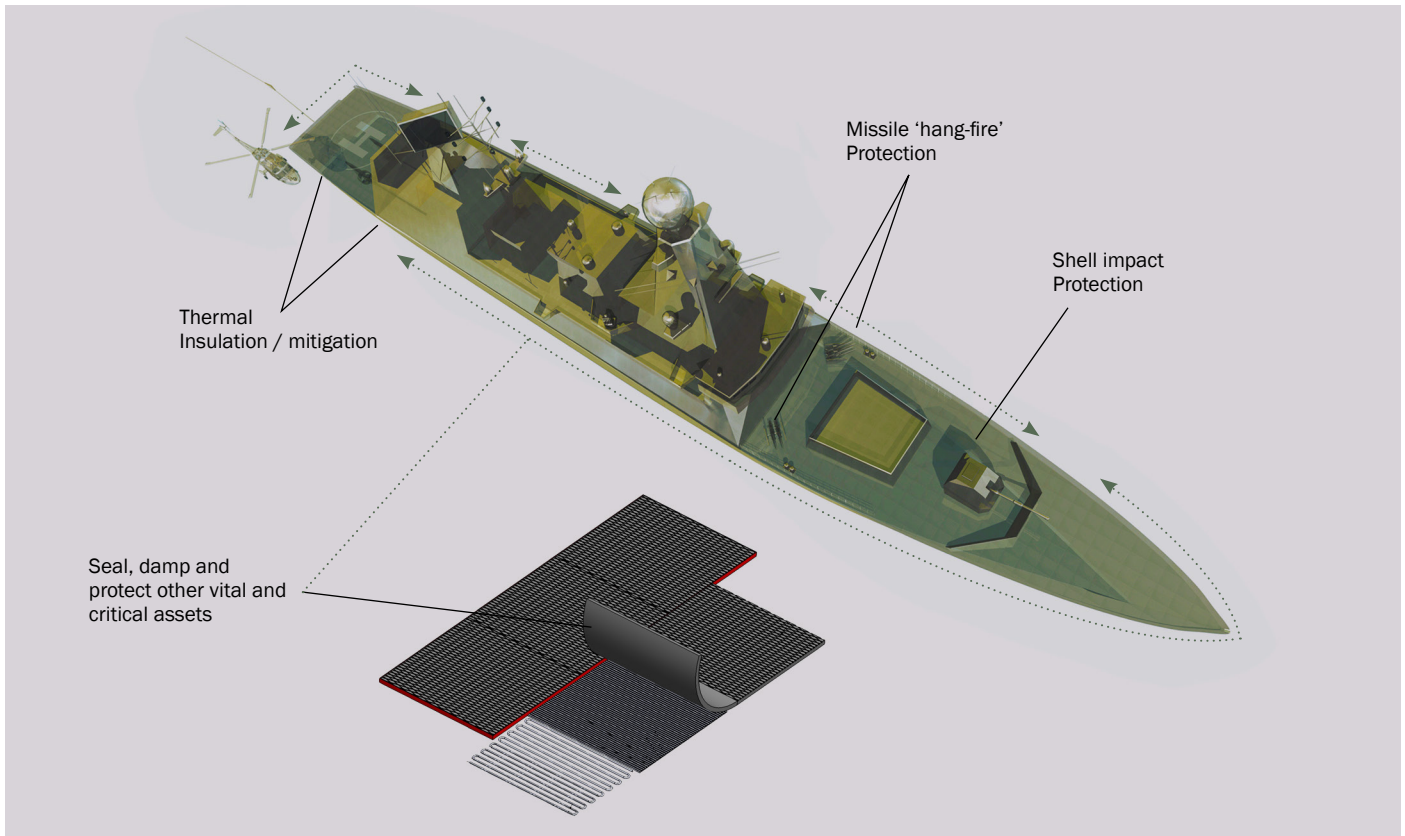
Vikodeck™ Shield is easy to install, and is delivered in panels that can be fitted onto various surfaces such as epoxy, painted areas, aluminum, glass reinforced plastic (GRP), carbon steel and, stainless steel. The panels are glued onto the structure, can be cut and shaped on site to fit corners.



Vikodeck Shield protecting missile launch platform

Benefits:

- Protect against Hang-fire (3000° C)
- Protect against Hydrocarbon and Jet fire (800–1100° C) fire for 2 hr
- Tested for surface spread of flame according to BS 476 Part 7, rated to Class 1 with a toxicity value of 0,5/100 g
- No smoke and toxicity (index value 0,5/100 g)
- Maintenance free
- Designed to last the life of the construction
- Impact resistant
- Handle large load
- Seawater resistant
- Resistant to Ozone and UV light
- Good resistant to chemicals (biocide, emulsion breaker, water treatment, antifoam etc.)
- Density: 1,8 g/cm³, Hardness: 77° ShoreA
- Sound dampening
- Abrasion resistant
- Flexible
- Quick and easy to install, no hot work



Vikodeck™ Shield has been tested and can withstand cryogenic spills of cold liquids such as LNG and will regain its flexible properties following cryogenic exposure. It is normally delivered in one square meter sheets, but can be drilled, cut or shaped to fit the area of installation to suite any surface to provide you with performance at every level.

Contact Us

Trelleborg Applied Technologies delivers innovative and reliable solutions, materials and smart systems that maximizes performance for our customers. Our dedicated and highly skilled staff are always on hand to provide seamless process support from initial idea, through to delivery and beyond.



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