



OPTIMAL PERFORMANCE FOR MAXIMUM PROTECTION WITH SKYDEX CONVOY DECK



SKYDEX Convoy Deck is a high performance blast mat product line that uses unique, patented, energy-absorbing geometries to reduce tibia loads during underbody vehicle blast events, reducing the chances of lower-limb injury and increasing vehicle blast event survivability. Our products meet STANAG 4569 and have been proven to withstand the toughest military environments.

SKYDEX Convoy Deck maximizes your performance and survivability through:

- Reduced max tibia loads
- Low profile design for minimal impact on vehicle ergonomics
- Quick rebounding that allows for impact protection during slam down
- Multi-impact capability

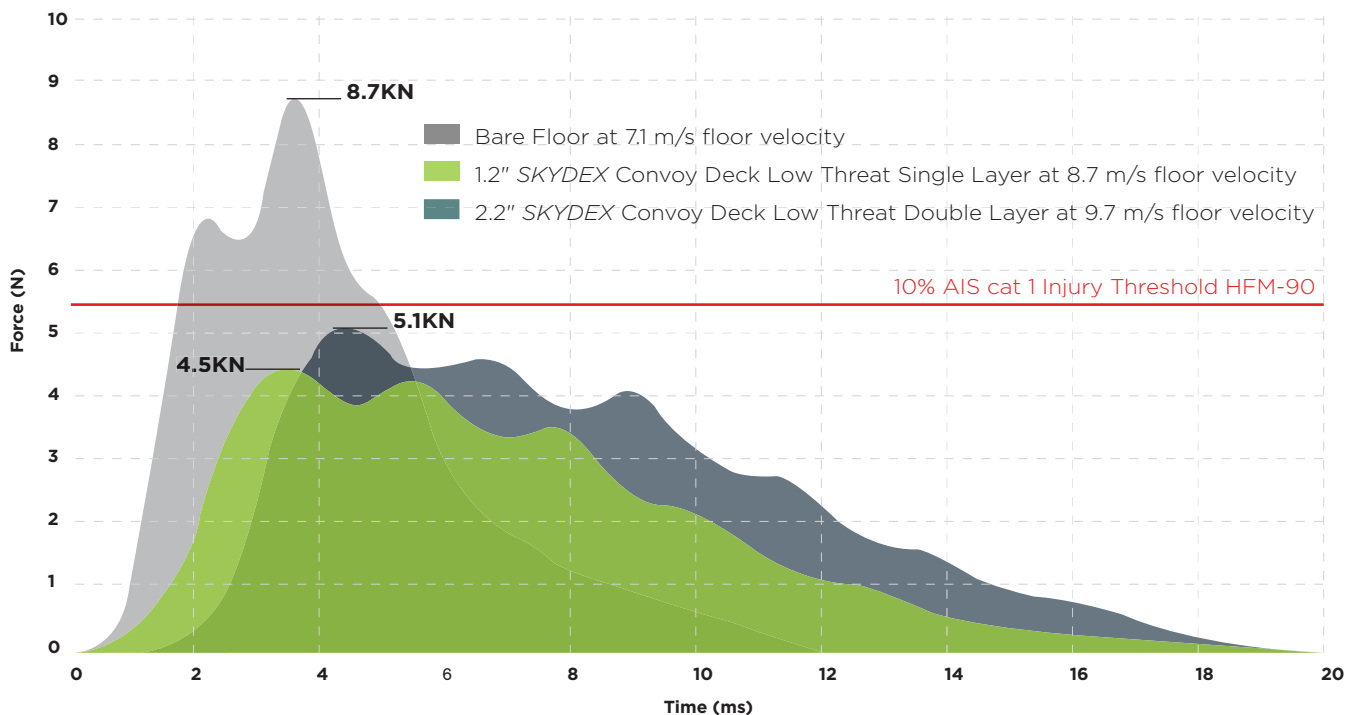
Our core product benefits include:

- Meets STANAG 4569*
- Durable, long lasting, AND low maintenance materials
- Low risk, fast delivery – COTS item
- Meets FMVSS302 and Environmental Requirements of M67854-11-R-5012
- Easy integration with no design change to host vehicle required

*Tibia loads below 5.4kN at floor velocities up to 10 m/s in most vehicles.

MILITARY PROVEN AND TESTED PERFORMANCE

SKYDEX Convoy Deck absorbs energy forces transmitted to occupants through the floor during a blast event, reducing the probability of injury. Our products have been field tested in over 18,000 armored vehicles worldwide and have been the go-to solution for high energy threat mitigation from underbody mine blasts. For example, in this trial shown, SKYDEX Convoy Deck reduces the tibia force below 5.4kN, meeting STANAG 4569/HFM-90.



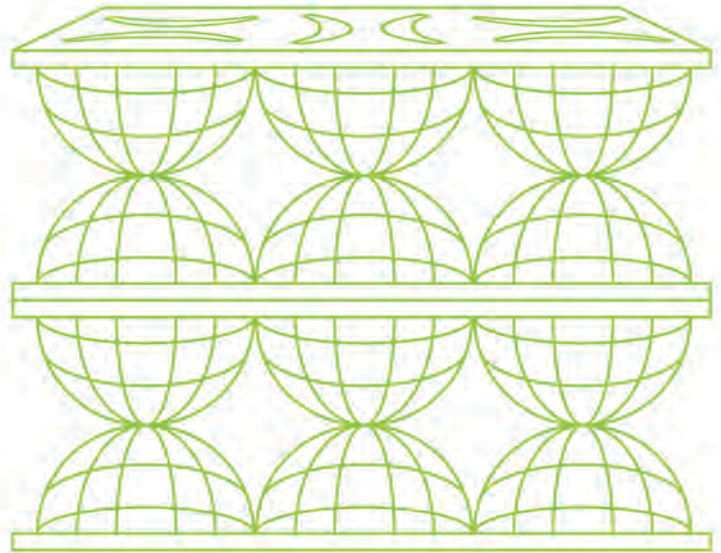
SKYDEX CONVOY DECK

SKYDEX Convoy Deck is available in a range of technologies designed around the desired level of protection, making it easy to develop solutions tailored to your needs. More information on two of our featured products:



Low Threat Single Layer

- 1.2" thick (without attachment method)
- 1.6 lb/ft²
- Tibia force $\leq 5.4\text{kN}$ with floor velocity $\leq 9\text{ m/s}$
- RTI < 1 at floor velocity of 9 m/s



Low Threat Double Layer

- 2.2" thick (without attachment method)
- 2.7 lb/ft²
- Tibia force $\leq 5.4\text{ kN}$ with floor velocity $\leq 10\text{ m/s}$
- RTI < 1 at floor velocity of 10 m/s

Results reflect laboratory testing and are not necessarily indicative of performance in a particular application. Typical values are provided, and subject to change.

Product Installation and Attachment Method

A key characteristic that makes SKYDEX Convoy Deck highly unique is its easy integration into all existing platforms, negating the need for a vehicle redesign and ensuring a reliable low cost solution.

3M Dual Lock® is our recommended attachment method due to its high peel strength, the bond between the Dual Lock and SKYDEX Convoy Deck and durable in-field performance. Standard hook and loop fasteners are also available, and alternative attachment options can be engineered to meet vehicle application and mission requirements.

Official distributor for the Netherlands



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