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.
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.
PRODUCT LINE

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 vehicle design and threat levels. To find out more about our product line beyond these two featured products, get in touch with us today.

**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 < 5.4 kN with floor velocity < 10 m/s
- RTI < 1 at floor velocity of 10 m/s
PROVEN PERFORMANCE

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. In this trial shown, SKYDEX Convoy Deck reduces the tibia force below 5.4KN, meeting STANAG 4569/HFM-90.