

A large, dark-colored tank is positioned in a grassy field under a blue sky. A soldier is visible on top of the tank's turret. The tank has a long barrel and various sensors and antennas. The background shows a line of trees and a clear horizon.

Effective dust and radar signature suppression

Dust Skirt System

To ensure dust, sand and debris is kept to a minimum on the tracks, wheels, and rollers of tanks and tracked vehicles, Trelleborg has designed extremely durable dust skirts that are made from a synthetic rubber and suitable for installation on light, medium and heavy vehicle.

Designed to provide the appropriate trade off between flexibility and stiffness to ensure the dust skirts stay in the vertical position and to provide dust suppression and signature management for the vehicle but be able to deform with ground strikes, thus avoiding being torn off the vehicle.

Trelleborg ensures that the design can easily be adapted to fit vehicles with either applique armour or traditional bazooka plates, while providing excellent dust and sand mitigation together with radar deflecting properties.

Trelleborg has made the installation of the skirts tailored with the choice of different materials for the fixing batons, depending on the environment the tank will operate in. There are options of armour steel, aluminium and if required a lightweight composite baton. Trelleborg's dust skirts are low maintenance and individual panels can be replaced if battle or accidentally damaged.

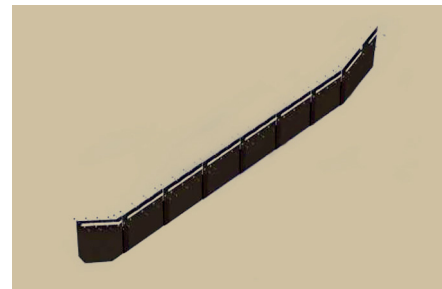
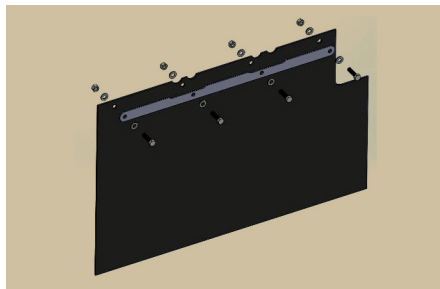
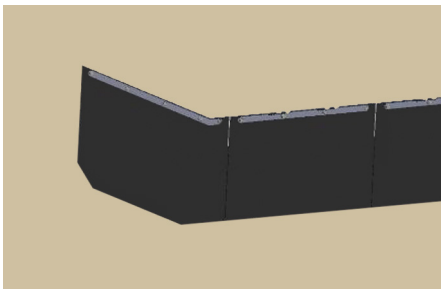
Trelleborg dust skirts are designed for global deployment in line with Def-Stan 00-35 part 2 covering echelons A1 to C2 (+58°C to -37°C).

Benefits:

- Tear resistant
- Low weight solution
- Excellent dust and sand mitigation
- Radar deflecting properties
- Fire retarding
- Low maintenance
- Choice of fixing baton material
- Flexible approach to validation, test and acceptance
- Prototype dust skirts fully trialled and tested prior to production fit
- Material options available in terms of specification, weight and thickness
- Various colour options available to suit vehicle colour and/or camouflage

Applications:

- All light, medium, heavy armoured fighting vehicles and support vehicles up to 75 tonnes
- Any commercial vehicles where dust suppression is a potential issue



Contact us

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.



Tel: +44 1760 716 610



Email: appliedtechnologies@trelleborg.com



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