

SolarSHIELD®

Thermal Shield Protection by Stedfast



PHOTOGRAPHS COURTESY OF RHEINMETALL DEFENCE - 2016

SOLAR SHIELD® is a 3D multi-laminated spacer fabric which provides significant solar heat and load reduction. The layered construction allows multispectral signature management against infrared, visual, and UV detection.

SOLAR SHIELD® technology reduces the effects of solar loading while controlling temperature rise inside vehicles, container systems and shrouds. **SOLAR SHIELD®** is particularly efficient in temperate and hot climate zones where it effectively maintains temperatures across thermal bands.

1st External Layer

Proprietary polymer technology which incorporates flame resistance, IR, low gloss and anti-slip properties

2nd Layer

Carbon polymer layer which provides enhanced absorption of thermal radiation, IR and flame resistance.

3rd Layer

Flame resistant high performance woven scrim

4th Layer

Aluminized layer which acts as a second line of defence against thermal radiation.

5th Layer

3D spacer fabric which provides ventilation to evacuate heat through convection



PRODUCED UNDER EXCLUSIVE LICENSE FROM:
DEFENCE RESEARCH & DEVELOPMENT CANADA
PATENTED BY DND - CANADA

SolarSHIELD®

by Stedfast



PHOTOGRAPHS COURTESY OF RHEINMETALL DEFENCE - 2016

TESTED BY AND ACTIVELY USED IN THEATRE WITH CANADIAN FORCES



SOLAR SHIELD® is specifically designed to offer **optimal** radar, visual and infrared protection.

Product benefits when used in conjunction with SOLAR SHIELD®:

- Internal temperature reduction of at least 45°F
- Thermal infrared (TIR) to eliminate detection through thermal background matching
- Near Infrared camouflage (NIR)
- Embedded fire retardants
- Radar signature reduction
- Non-slip walk areas
- Fuel and energy consumption reduction
- Maintenance cost reduction
- Extended shelf life of ammunition and electronics



 **STEDFAST CANADA**
230 ST. CHARLES S.
GRANBY, QC, J2G 3Y3
TOLL FREE: (888) 673-8441