

# ENERGY EFFICIENCY KIT

Solutions for Energy Efficiency



HDT Energy Efficiency Kits are available in hot or cold weather variants. For cold climates, the kit includes a Radiant Barrier and durable ReadyFold Flooring. For hot climates, HDT manufactures a Shade Fly in choice of material including mesh, camouflage or mesh with PV panels for solar power generation capabilities.

HDT Energy Efficiency Kits provide affordable, simple and fast solutions that reduce energy footprint without loss to operational readiness.

## KEY FEATURES

- 15 – 30% reduced energy consumption
- Available now for most Base-X® and AirBeam® shelter models
  - All MCESS small and medium shelters
  - All COC shelters
  - All DJC2 shelters
- Provides year-round benefits
- No changes to procedures or operations
- Easy and affordable
- Tailored kits for cold or hot weather climates



The HDT Radiant Barrier Blanket TempShield® is an expeditionary shelter accessory that creates an additional thermal barrier, increasing the shelter's insulation factor. This increased efficiency reduces the energy needed to heat or cool a shelter.

Designed to work with the HDT's AirBeam® or Base-X® Shelters, the HDT Radiant Barrier Blanket is installed between the shelter inner liner fabric and the shelter canopy. No additional tools are required for installation, and once it is installed, the Radiant Barrier Blanket remains in place even during the shelter strike process.

The Radiant Barrier Blanket provides a superior radiant/ insulative retardant for conductive, convective and radiant heat transfer and retards vapor diffusion through the shelter walls. Constructed with non-toxic and non-carcinogenic materials, the Radiant Barrier Blanket is puncture and tear resistant and does not promote the growth of fungi or bacteria.

## KEY FEATURES

- Reduces ECU run time by up to 75%, reduces heater run time by up to 57%
- Tested and approved to ASTM D 6413 (Flame Resistance) Mil-Spec
- Lightweight, easy to install
- Integrates seamlessly during installation, no change in procedures or operations, no tools required
- Provides year-round benefits
- Creates an added R-Value
- Affordable with a quick return on investment
- Proven in theater for several deployments

For more information, see HDT's Radiant Barrier datasheet.



## RADIANT BARRIER BLANKET TEMPShield® SPECIFICATIONS

Fits Shelter Size	HDT Part #	Ordering Info NSN	On GSA	Weight	Pack Size (L x W x H)	Pack Volume
103	60103-3RB			55 lbs 25.0 kg	63" x 13" x 27" 160 x 33 x 69 cm	12.8 ft <sup>3</sup> 0.4 m <sup>3</sup>
105	60105-3RB			67 lbs 30.5 kg	63" x 16" x 30" 160 x 41 x 76 cm	17.5 ft <sup>3</sup> 0.5 m <sup>3</sup>
203	60203-3RB			68 lbs 30.9 kg	63" x 17" x 30" 160 x 43 x 76 cm	18.6 ft <sup>3</sup> 0.5 m <sup>3</sup>
205	60205-3RB			80 lbs 36.4 kg	63" x 20" x 33" 160 x 51 x 84 cm	24.1 ft <sup>3</sup> 0.7 m <sup>3</sup>
303	60303-3RB		X	75 lbs 34.1 kg	55" x 24" x 32" 140 x 61 x 81 cm	24.4 ft <sup>3</sup> 0.7 m <sup>3</sup>
305	60305-3RB		X	110 lbs 50.0 kg	63" x 35" x 23.5" 160 x 89 x 60 cm	30.0 ft <sup>3</sup> 0.8 m <sup>3</sup>
307	60307-3RB		X	138 lbs 62.7 kg	63" x 39.5" x 28.5" 160 x 100 x 72 cm	41.0 ft <sup>3</sup> 1.2 m <sup>3</sup>
505	60505-3RB			140 lbs 63.6 kg	60" x 36" x 38" 152 x 91 x 97 cm	47.5 ft <sup>3</sup> 1.3 m <sup>3</sup>
6D31	606D31-3RB			149 lbs 67.7 kg	60" x 43" x 28" 152 x 109 x 71 cm	41.8 ft <sup>3</sup> 1.2 m <sup>3</sup>
8D36	608D36-3RB		X	151 lbs 68.6 kg	64" x 36" x 43" 163 x 91 x 109 cm	57.3 ft <sup>3</sup> 1.6 m <sup>3</sup>
<b>BOOTS</b>						
End to end	61B001RB		X	5 lbs 2.3 kg	42" x 23" x 4" 107 x 58 x 10 cm	2.2 ft <sup>3</sup> 0.1 m <sup>3</sup>
Side to side	61B002RB		X	7 lbs 3.2 kg	42" x 23" x 9" 107 x 58 x 23 cm	5.0 ft <sup>3</sup> 0.1 m <sup>3</sup>
End to side	61B003RB			6 lbs 2.7 kg	42" x 23" x 5" 107 x 58 x 13 cm	2.8 ft <sup>3</sup> 0.1 m <sup>3</sup>
Open end						
200	61B20ERB		X			
300	61B30ERB		X	10 lbs 4.5 kg	42" x 23" x 4.5" 107 x 58 x 11 cm	2.5 ft <sup>3</sup> 0.1 m <sup>3</sup>
300 – Dome	61B20ERB		X			

# ENERGY EFFICIENCY KIT

Ready Fold Flooring



Our Ready Fold Flooring is the only portable flooring system on the market today that is specifically designed for rapid deployment use. It is a high-impact, 0.5" (1.3 cm) and 2" (5.1 cm) thick ABS floor that does not conduct cold or electricity. It is flame resistant and carries a UL94HB rating. With its unique connecting system it can be deployed or broken down rapidly every time with little labor commitment. It is also easy to transport and store.

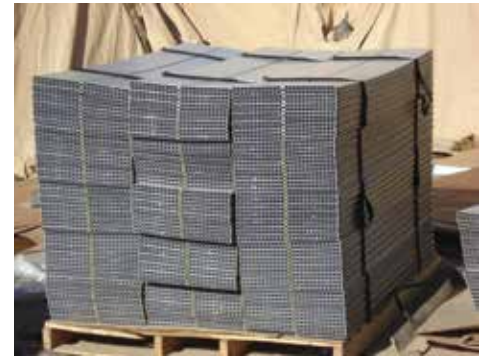
Ready Fold Flooring is a slat-based flooring systems which packs easily for storage or transport. Flooring units may be arranged in unlimited configurations or shapes and provides a durable flooring solution for expeditionary missions.



Also available, Ready Roll Cable Management for managing power cords or segmenting secure from non-secure network cabling. This flooring accessory provides shelters with clean appearance and reduced trip hazards without the need to hang cables or use tape.

## KEY FEATURES

- Man-portable
- 500 PSI load strength
- Solid non-slip surface
- UL94HB flame resistance
- Does not conduct heat, cold or electricity
- Resistant to a broad range of chemicals
- Standard 0.5" (1.3 cm) thick, or optional 2" (5.1 cm) thick
- Available in custom lengths
- High strength extruded ABS



## 1/2" READY FOLD FLOORING SPECIFICATIONS

Fits Shelter Size	Ordering Info HDT Part #	NSN	On GSA	Weight	Dimensions (L x W x H)
Base-X® Shelters					
103	63-F103RRBK	8340-01-533-6693	X	135 lbs 61 kg	9.5' x 15' 2.9 x 4.6 m
105	63-F105RRBK	N/A	X	225 lbs 102 kg	9.5' x 25' 2.9 x 7.6 m
203	63-F203RRBK	8340-01-533-6719	X	210 lbs 95 kg	14' x 15' 4.3 x 4.6 m
205	63-F205RRBK	8340-01-533-6714	X	350 lbs 159 kg	14' x 25' 4.3 x 7.6 m
303	63-F303RRBK	8340-01-533-6735	X	264 lbs 120 kg	18' x 15' 5.5 x 4.6 m
305	63-F305RRBK	8340-01-533-6731	X	440 lbs 200 kg	18' x 25' 5.5 x 7.6 m
307	63-F307RRBK	8340-01-533-6758	X	616 lbs 280 kg	18' x 35' 5.5 x 10.7 m
505	63-F505RRBK	N/A	X	550 lbs 249 kg	26' x 25' 7.9 x 7.6 m
6D31	63-F6D31RRBK	8340-01-566-8911	X	650 lbs 295 kg	27' x 31' 8.2 x 9.4 m
8D36	63-F8D36RRBK	N/A	X	950 lbs 431 kg	31' x 37' 9.4 x 11.3 m
AirBeam® Shelters					
2021	63-FSTAT21RFGY	N/A			
2032	63-FSTAT32RFGY	N/A			
3236A	63-F3236ARRBK	N/A			
3236B	63-F3236BRRBK	N/A			
3236D	63-F3236CRRBK	N/A			
32 Series to Open End Boot	63-F32OERRBK	N/A			

# ENERGY EFFICIENCY KIT

Shade Fly



## Shade Flies

Shade Flies provide HDT shelters with solar shielding protection to reduce interior shelter temperatures which thereby reduces the demand on ECUs and generators during hot weather. Shade Flies are made from a 90% mesh material and deploy with the shelter.



### SHADE FLY SPECIFICATIONS

	Fits Base-X Model 303	Fits Base-X Model 305	Fits Base-X Model 307	Fits AirBeam Model 2021	Fits AirBeam Model 2032	Fits Temper Vestibule
<b>Ordering information</b>						
<b>Available colors</b>						
90% Mesh, Tan						
HDT part number	60303SF03TN	60305SF03TN	60307SF03TN	602021SF03TN	602032SF03TN	60TVSF03TN
NSN						
On GSA Contract						
90% Mesh, Olive Drab						
HDT part number	60303SF03OD	60305SF03OD	60307SF03OD	602021SF03OD	602032SF03OD	60TVSF03OD
NSN						
On GSA Contract						
<b>Physical characteristics</b>						
L x W x H	20' x 25' x 10'	20' x 35' x 10'	20' x 55' x 10'	22' x 40' x 10'	22' x 55' x 10'	6' x 10' x 10'
	6.1 x 7.6 x 3 m	6.1 x 10.7 x 3 m	6.1 x 16.8 x 3 m	6.7 x 12.2 x 3 m	6.7 x 16.8 x 3 m	1.8 x 3 x 3 m
Package size	67" x 26" x 18"	67" x 28" x 20"	67" x 30" x 22"	67" x 28" x 30"	67" x 32" x 24"	20" x 20" x 2"
	170.2 x 66 x 45.7 cm	170.2 x 71.1 x 50.8 cm	170.2 x 76.2 x 50.8 cm	170.2 x 71.1 x 76.2 cm	170.2 x 81.3 x 61 cm	50.8 x 50.8 x 5.1 cm
Weight	180 lbs	204 lbs	269 lbs	218 lbs	295 lbs	15 lbs
	82 kg	93 kg	122 kg	99 kg	134 kg	7 kg
<b>Set up</b>						
Time	30 minutes	30 minutes	30 minutes	30 minutes	30 minutes	15 minutes
Personnel	4	6	8	4	6	2

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