

DELTA
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SF US DECELL TRUST

KNEE PROTECTION

ELECTRONICS PROTECTION

HAND PROTECTION

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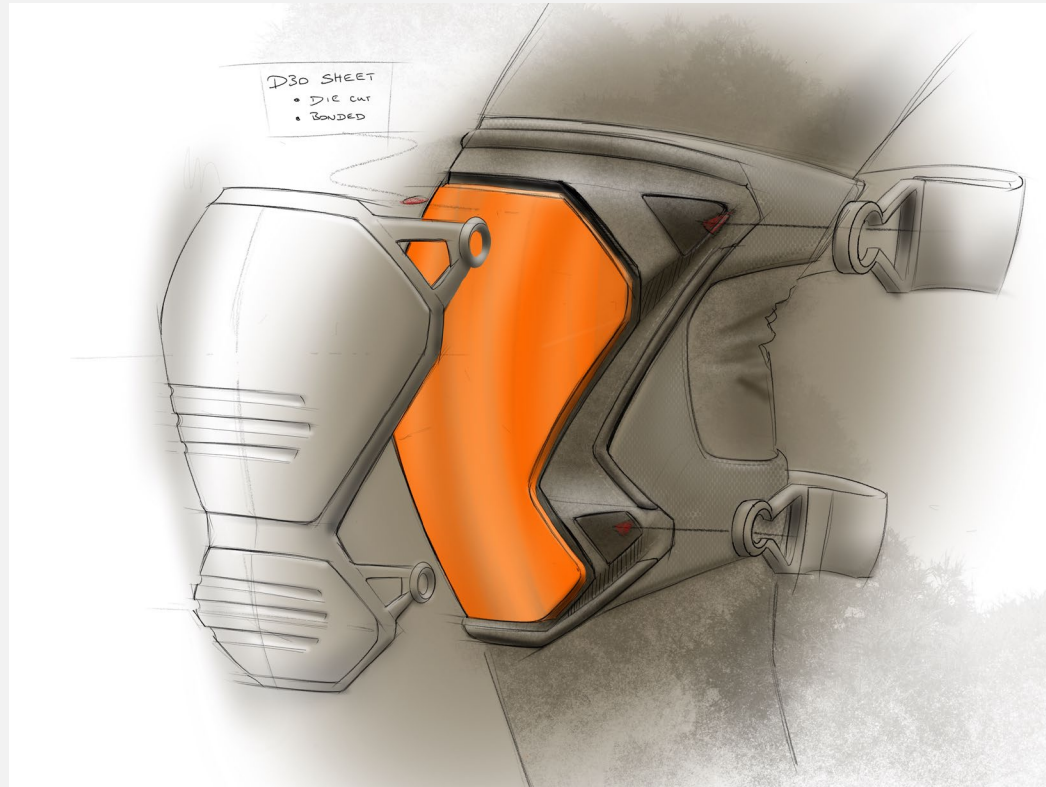
SF US DECELL TRUST

D3O® US Decell TRUST is available for simple integration of D3O® patented technology into product ranges.

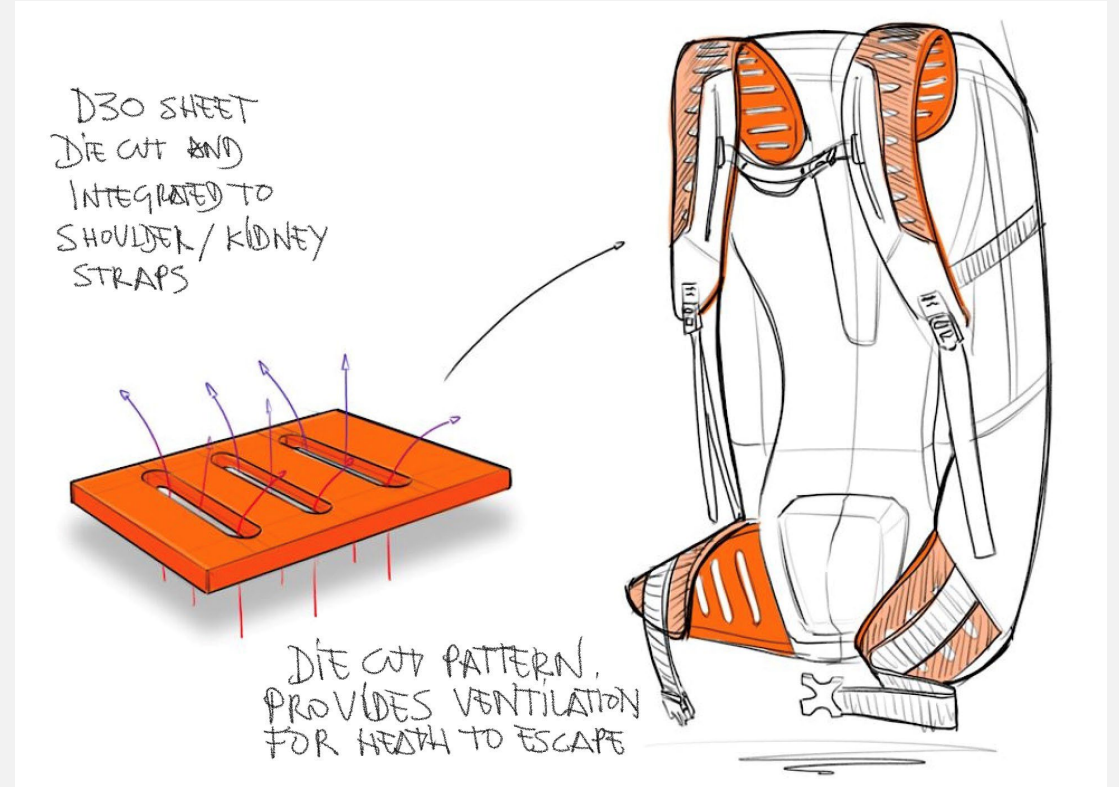
- Lightweight, soft, comfortable and versatile material
- Suitable for padding and cushioning
- Berry Compliant
- Frequently used for helmet liners and knee protectors
- Enhances performance without the need for custom development
- Skived formats make it suitable for adhesion and lamination.
- Available in a range of thicknesses



SF US DECELL TRUST SUGGESTED APPLICATIONS



KNEE PROTECTION



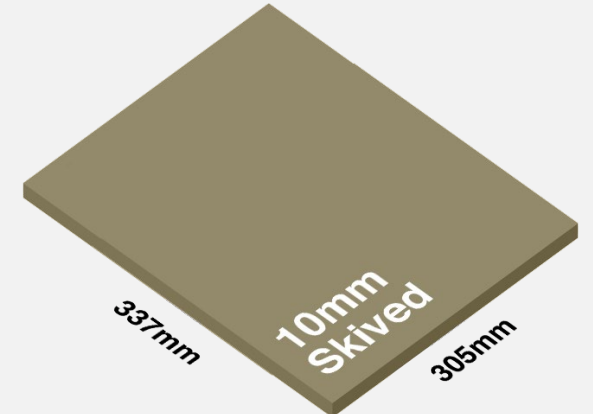
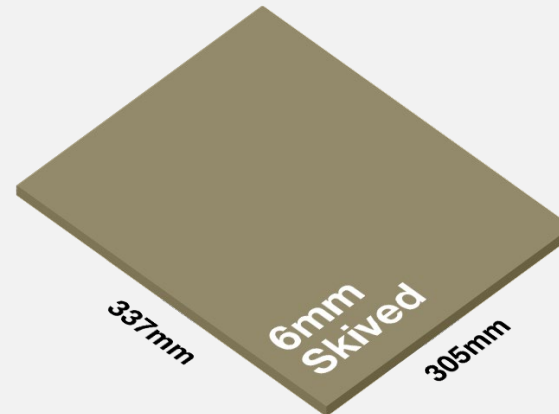
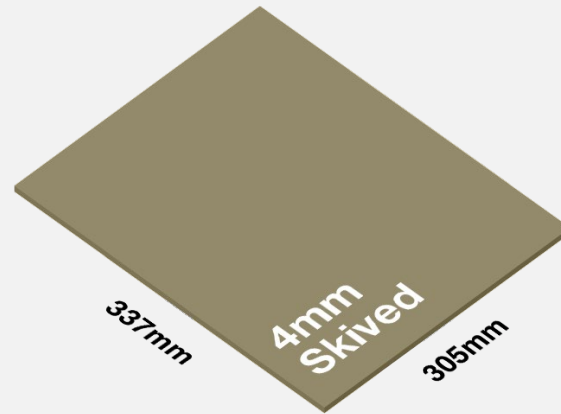
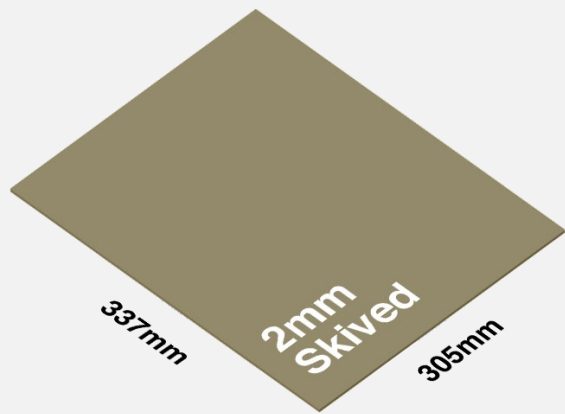
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SF US DECELL TRUST SUGGESTED APPLICATIONS



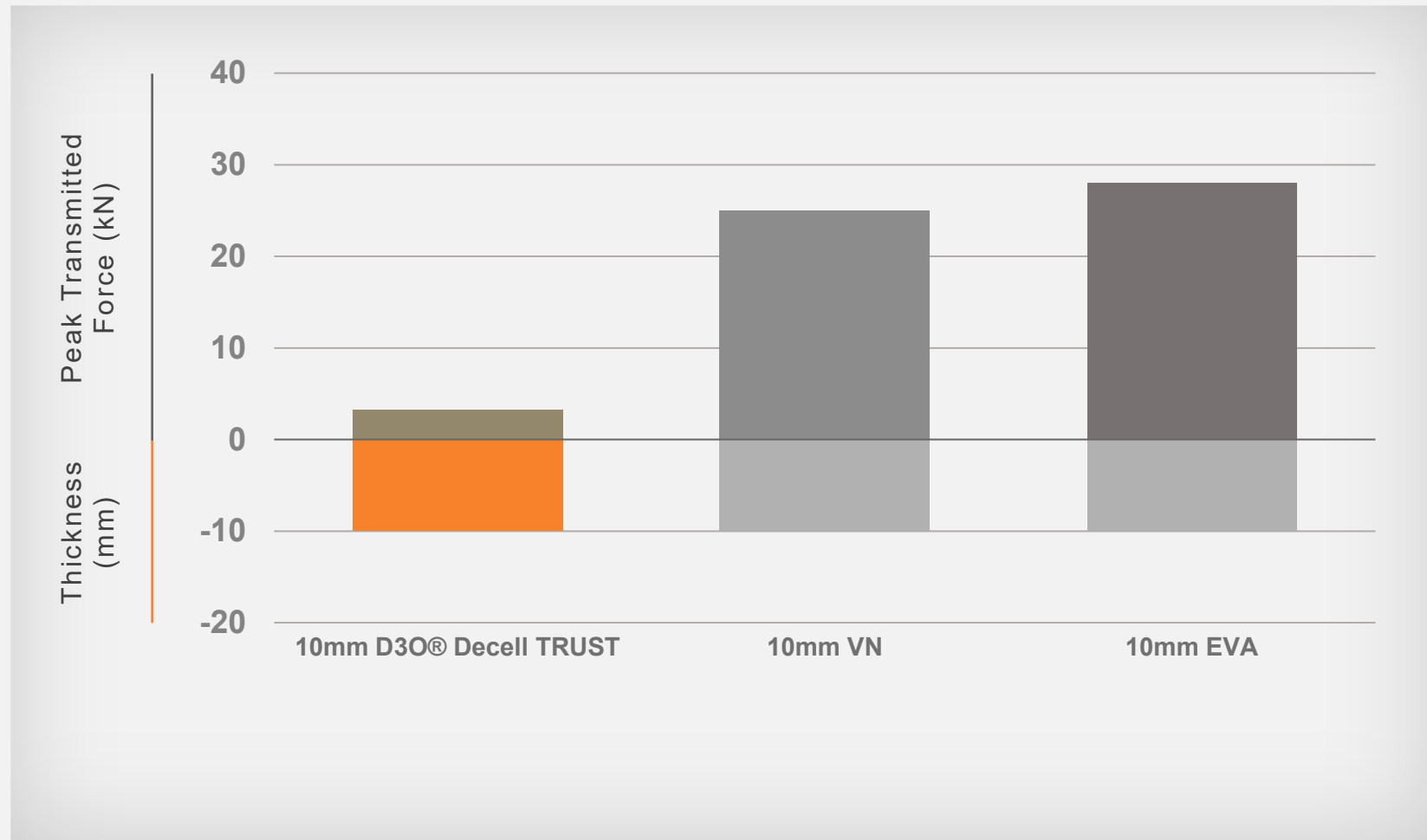
(Added protection for breaching operations.)

SF US DECELL TRUST AVAILABLE THICKNESSES



N.B. Thickness can be tailored for the needs of the application between 2mm and 20mm+.

SF US DECELL TRUST IMPACT PROTECTION



Impact Energy: 10J
The lower the Peak Transmitted Force, the higher the impact protection

SF US DECELL TRUST PROPERTIES

Product Name	Units	Method Reference	US Decell TRUST Skived 2mm Sheet - 305x337mm	US Decell TRUST Skived 4mm Sheet - 305x337mm	US Decell TRUST Skived 6mm Sheet - 305x337mm	US Decell TRUST Skived 10mm Sheet - 305x337mm
Product Code	-	-	13251	14261	14608	13252
Colour	-	-	Tan 499	Tan 499	Tan 499	Tan 499
Dimensions	mm	-	305 x 337	305 x 337	305 x 337	305 x 337
Thickness	mm	-	2	4	6	10
Weight	g	-	45	90	135	225
Material Code	-	-	SF019	SF019	SF019	SF019
Material Type	-	-	Set Foam		Set Foam	
Hardness	Shore 00	ASTM D2240 - 05 (2010)	69			
Density	g/cm ³	ISO 845: 2009	0.35			
Material Tensile Strength	N/mm ²	ISO 1798:2008	1.3			
Material Elongation at Break	%	ISO 1798:2008	210.8			
Material Split Tear Strength	N/mm	SATRA TM65	1			
Material Flexural Modulus	MPa	DTS052	1.3			
Material Tensile Modulus	MPa	DTS061	0.86			
Material Deceleration (4.5J)	g	DTS002-2	17.1			
Material Compression Set	%	DTS005	8			
Material Accelerated ageing (heat)	%	BS EN ISO 2440:2000	11.6			
Material Accelerated ageing (humidity)	%	BS EN ISO 2440:2000	74.4			



FS 635493

FURTHER INFORMATION

For full details including material properties and product tolerances, please request SOQ document from a Delta Three Oscar representative. The information provided is not intended to and does not create any warranties, expressed or implied, including any warranty of merchantability or fitness for a particular purpose. This data sheet shall not be reproduced or amended without the written consent of Design Blue Limited.

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