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DELTA THREE OSCAR

SF DECELL

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

- Optimised for moderate to high impact energies
- Soft, flexible and versatile material
- Designed for markets where high durability is key
- Frequently used for body protection, knee and elbow pads, gloves, footwear and chin guards
- Simple integration means the product development process can be greatly accelerated.

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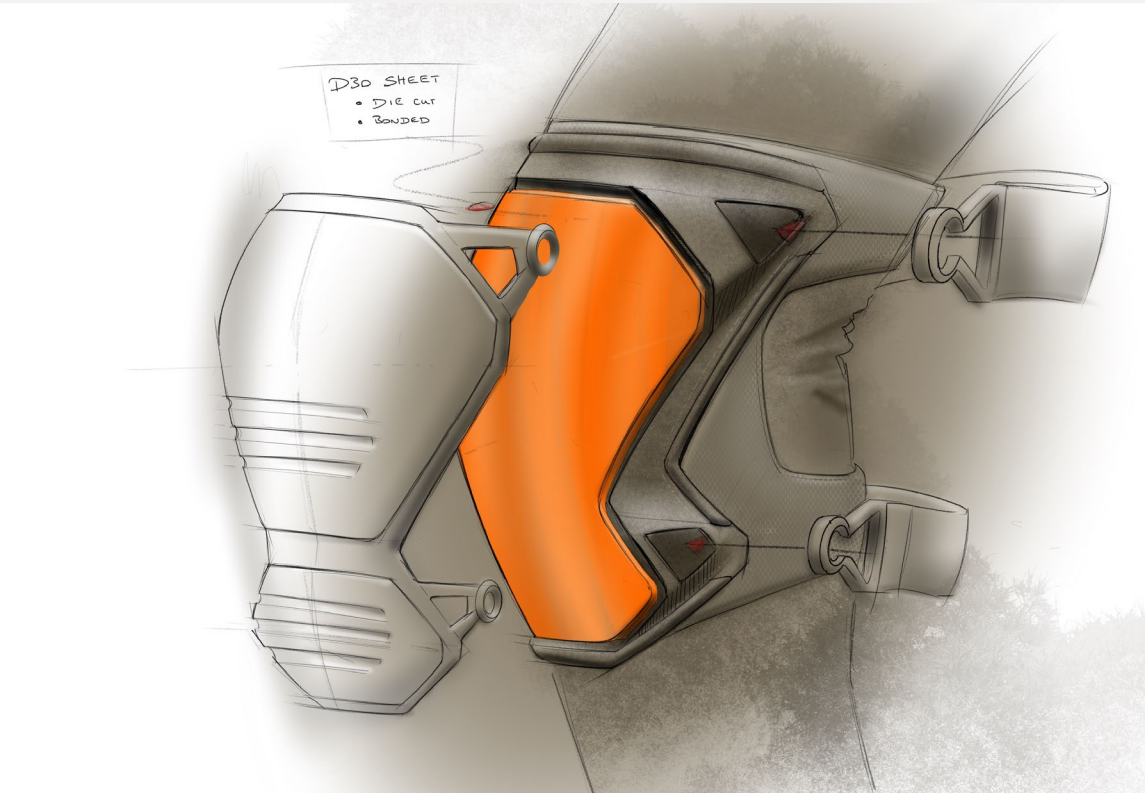
SF DECELL SUGGESTED APPLICATIONS

FOOT PROTECTION



KNEE PROTECTION

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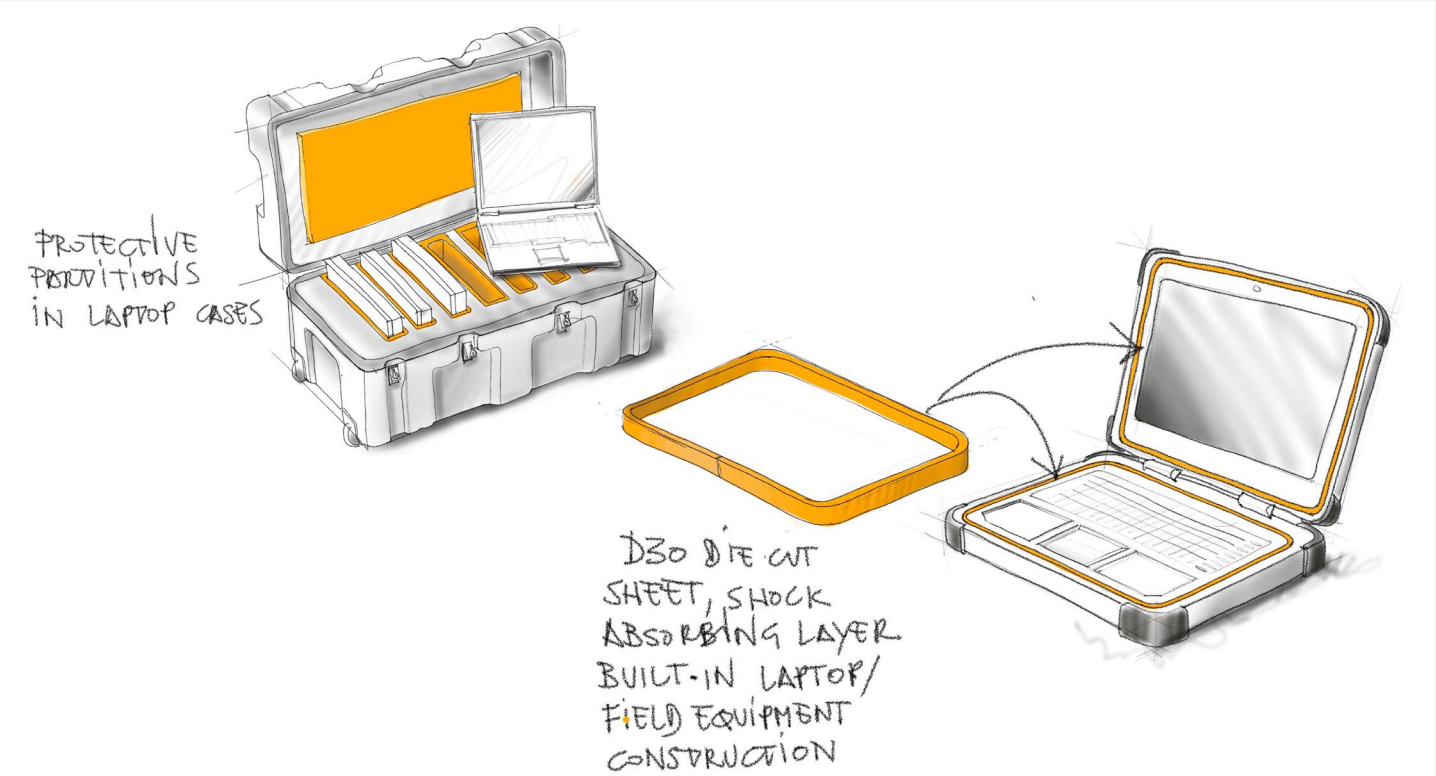
SF DECELL SUGGESTED APPLICATIONS



ELECTRONICS PROTECTION

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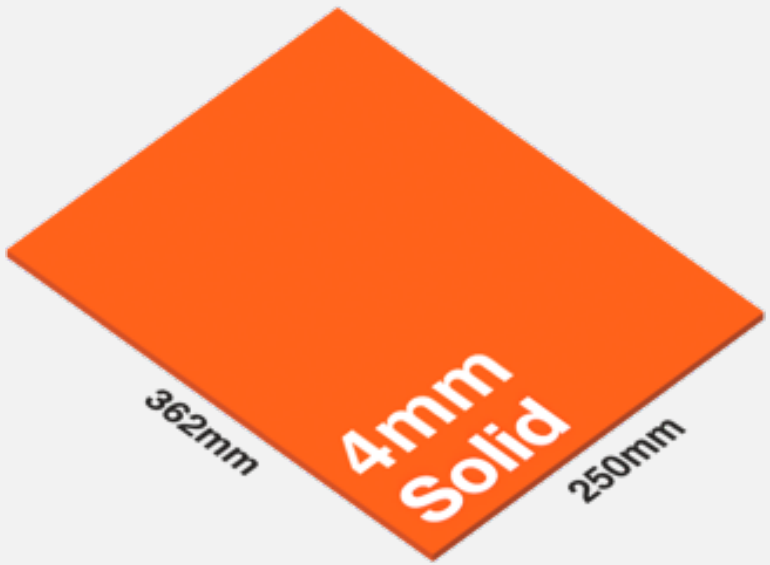
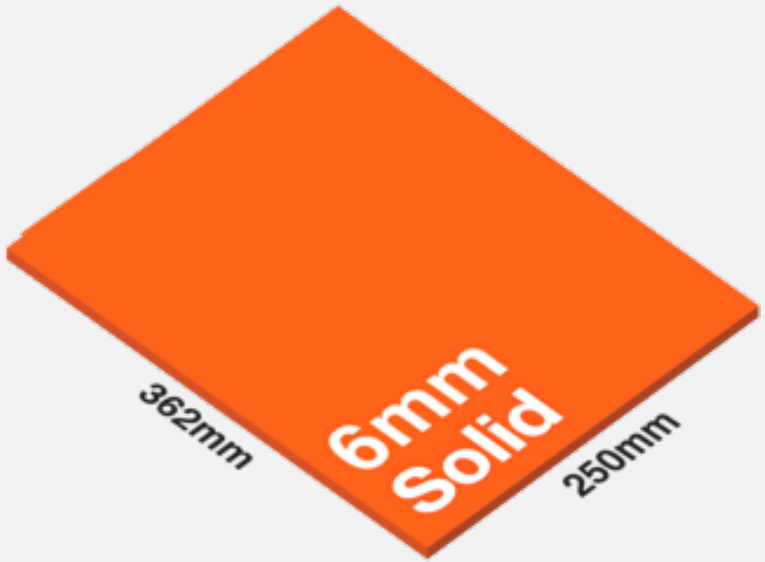
SF DECELL AVAILABLE THICKNESSES





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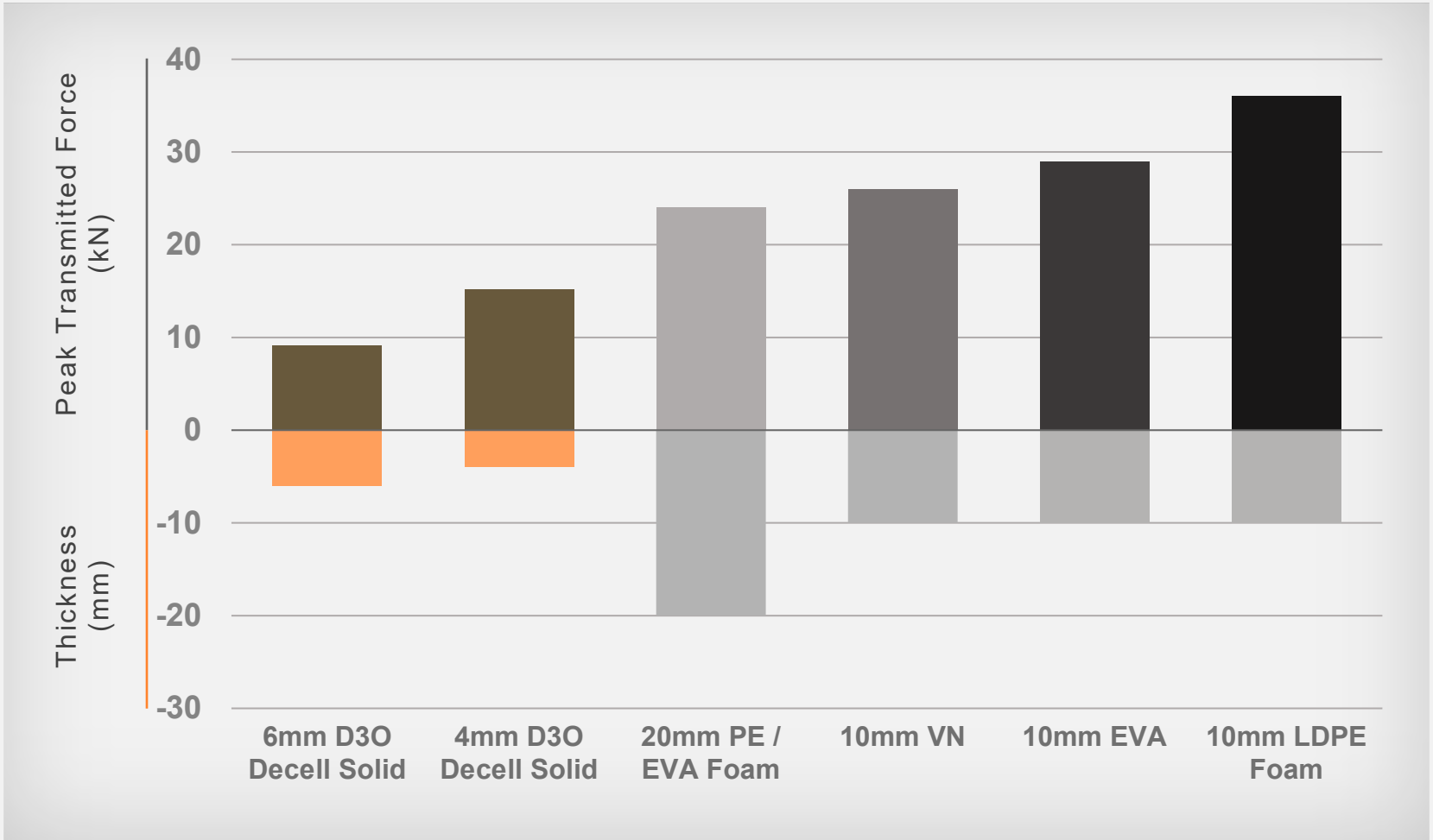
SF DECELL IMPACT PROTECTION



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

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SF DECELL PROPERTIES

Product Name	Units	Method Reference	Decell Solid 4mm Sheet - 369 x 255mm	Decell Solid 6mm Sheet - 369 x 255mm
Product Code	-	-	11350	11217
Colour	-	-	Orange	Orange
Dimensions	mm	-	369 x 255	369 x 255
Thickness	mm	-	4	6
Weight	g	-	147	209
Material Code	-	-	SF007	SF007
Material Type	-	-	Set Foam	Set Foam
Hardness	Shore 00	ASTM D2240 - 05 (2010)	67	
Density	g/cm^3	ISO 845: 2009	0.39	0.37
Material Tensile Strength	N/mm^2	ISO 1798:2008	1.2	
Material Elongation at Break	%	ISO 1798:2008	179.9	
Material Flexural Modulus	MPa	DTS052	1.4	
Material Tensile Modulus	MPa	DTS061	0.92	
Material Water Absorbency	%	DTS028	110	
Material Accelerated ageing (heat)	%	BS EN ISO 2440:2000	3.6	
Material Accelerated ageing (humidity)	%	BS EN ISO 2440:2000	55.1	

FS 635493

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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 of 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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