

SF DECELL SET FOAM

FOR SPORTS APPLICATIONS

HEAD PROTECTION

HAND PROTECTION

FOOT PROTECTION

BODY PROTECTION

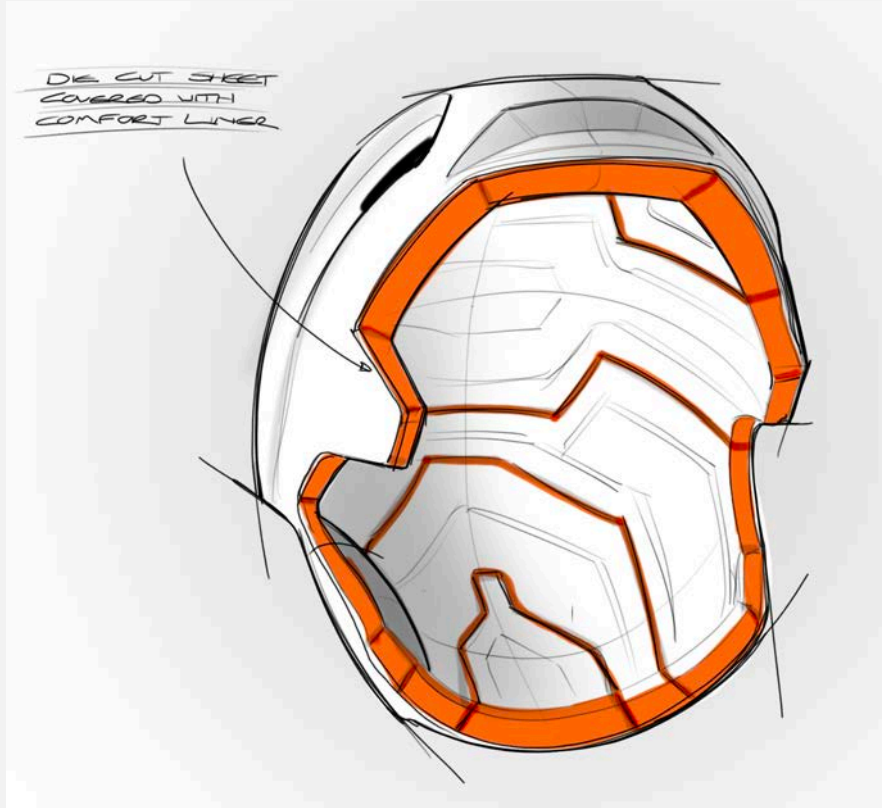


SF DECELL

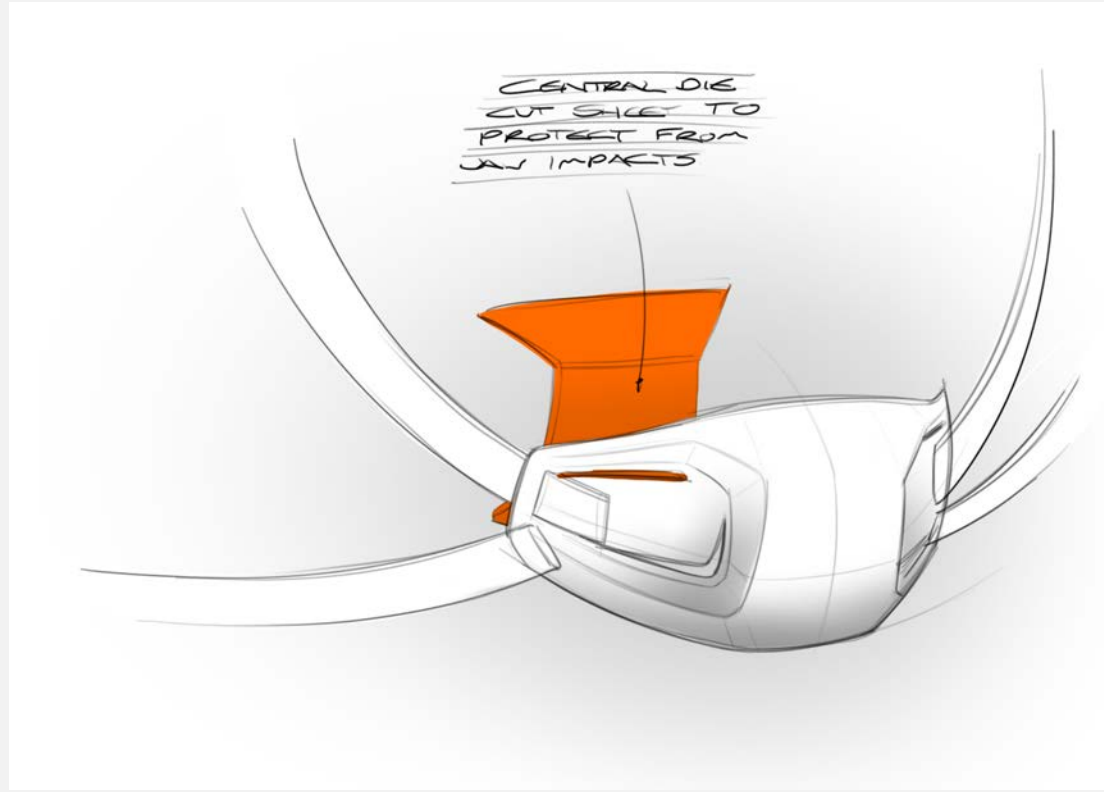
D3O® Decell is available for simple integration of D3O® patented technology into product ranges.

- 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.

SF DECELL SUGGESTED APPLICATIONS

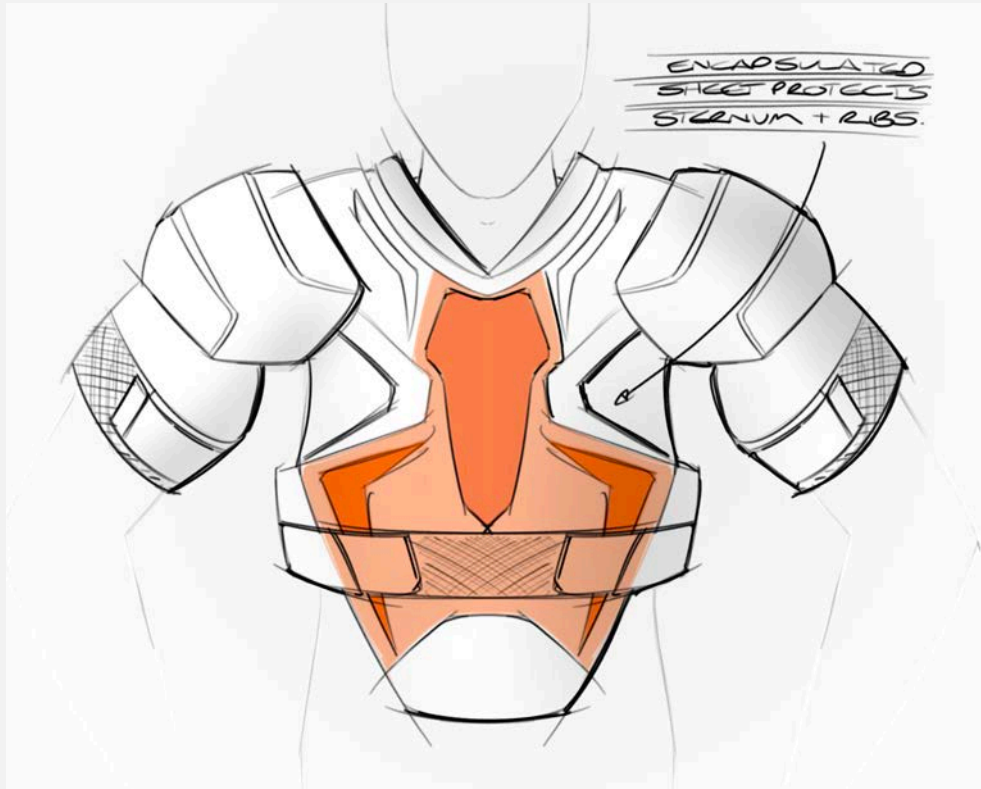


HEAD PROTECTION

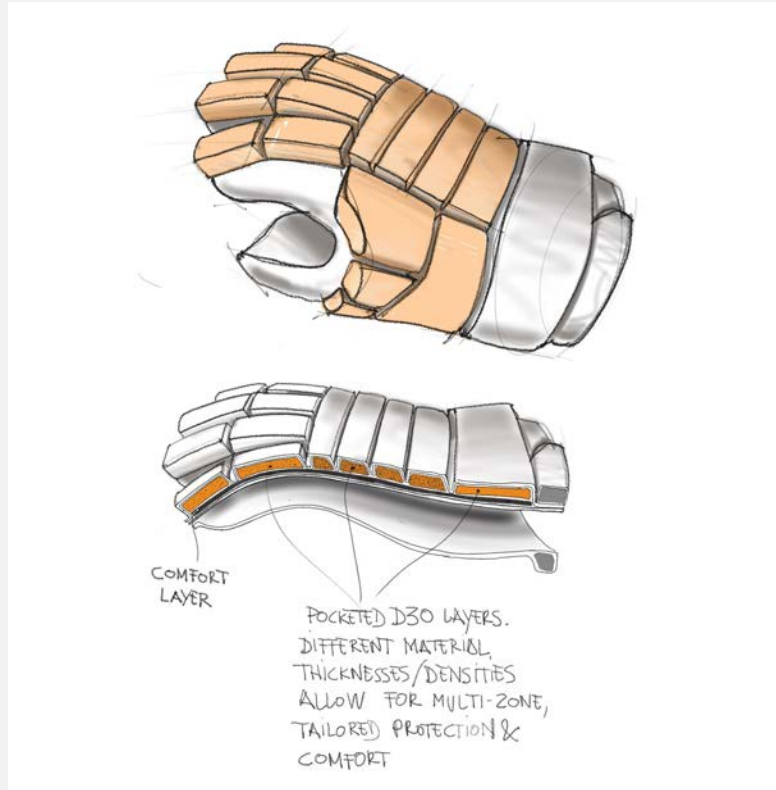


CHIN PROTECTION

SF DECELL SUGGESTED APPLICATIONS

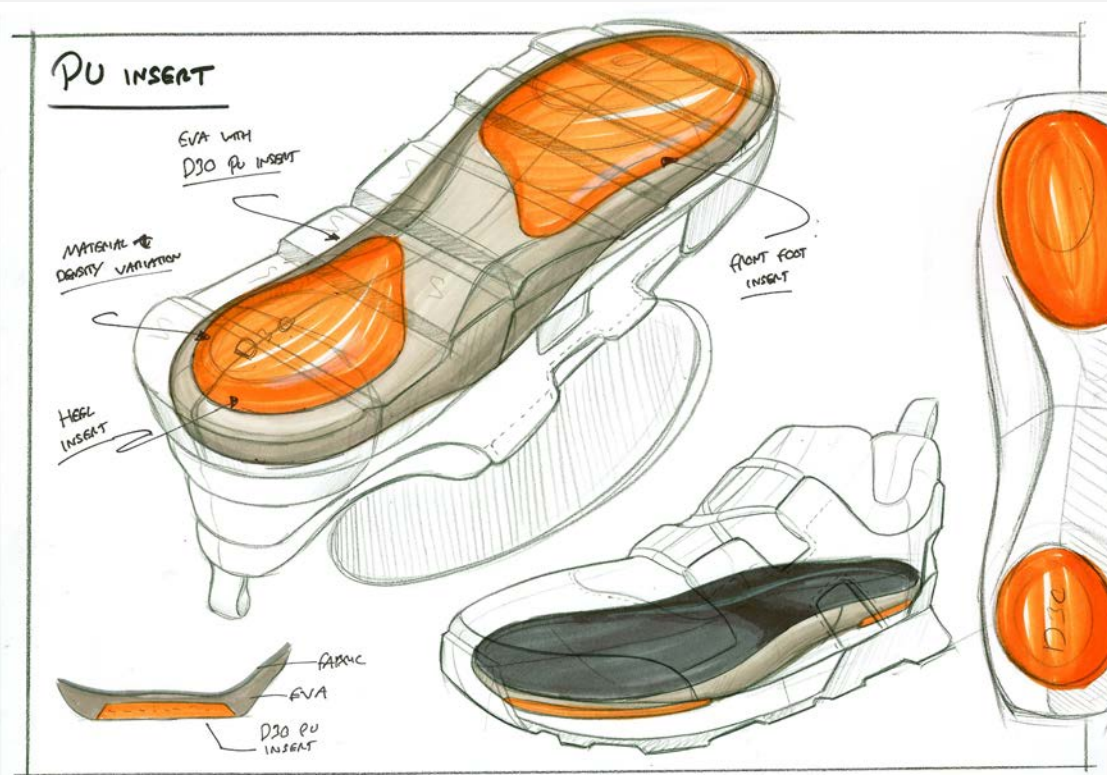


BODY PROTECTION



HAND PROTECTION

SF DECELL SUGGESTED APPLICATIONS



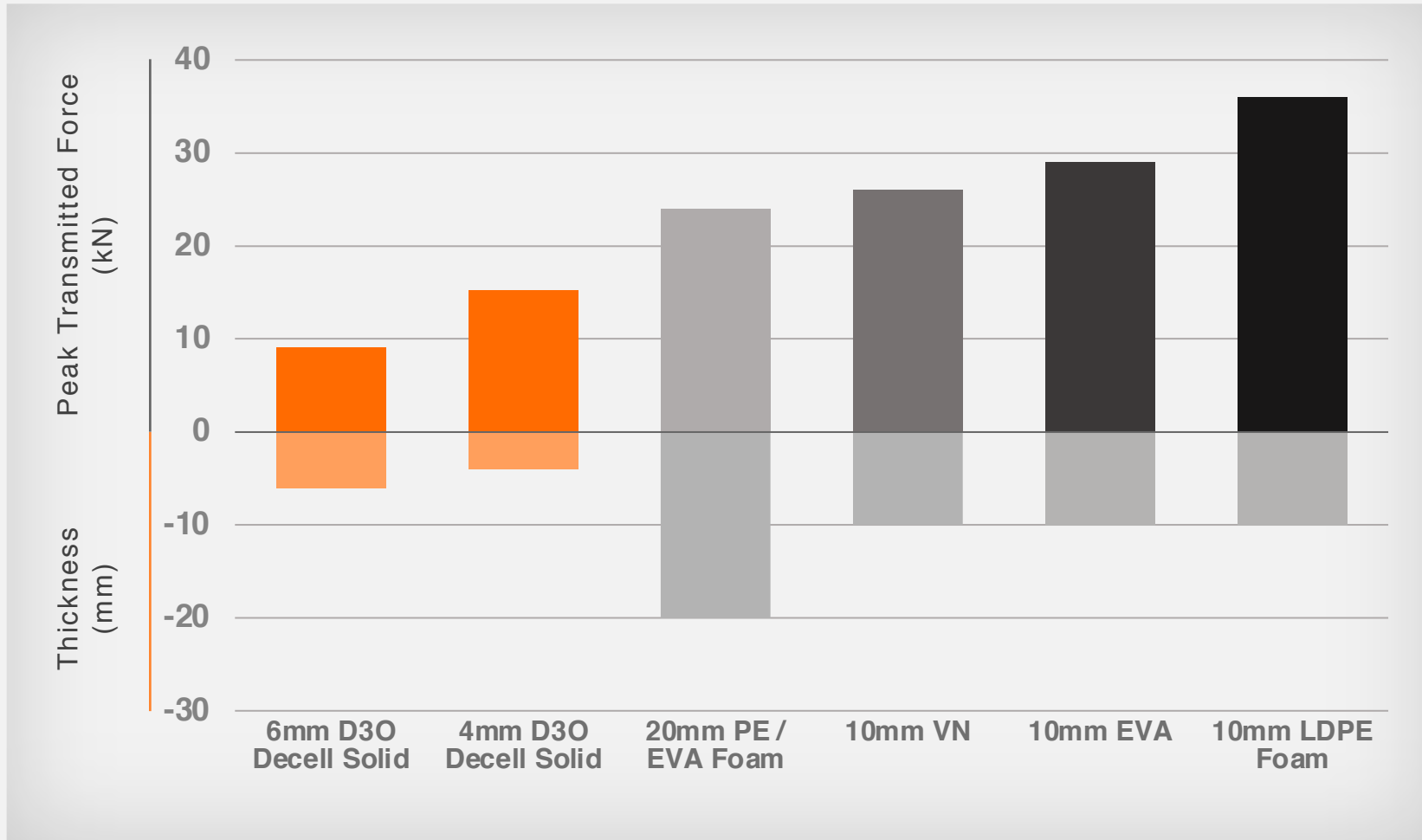
FOOT PROTECTION

SF DECELL

AVAILABLE THICKNESSES



SF DECELL IMPACT PROTECTION



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

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	



FURTHER INFORMATION

For full details including material properties and product tolerances, please request SOQ document from a D3O 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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