

DELTA  
THREE  
OSCAR

SF **XTi**

**LIMB PROTECTION**



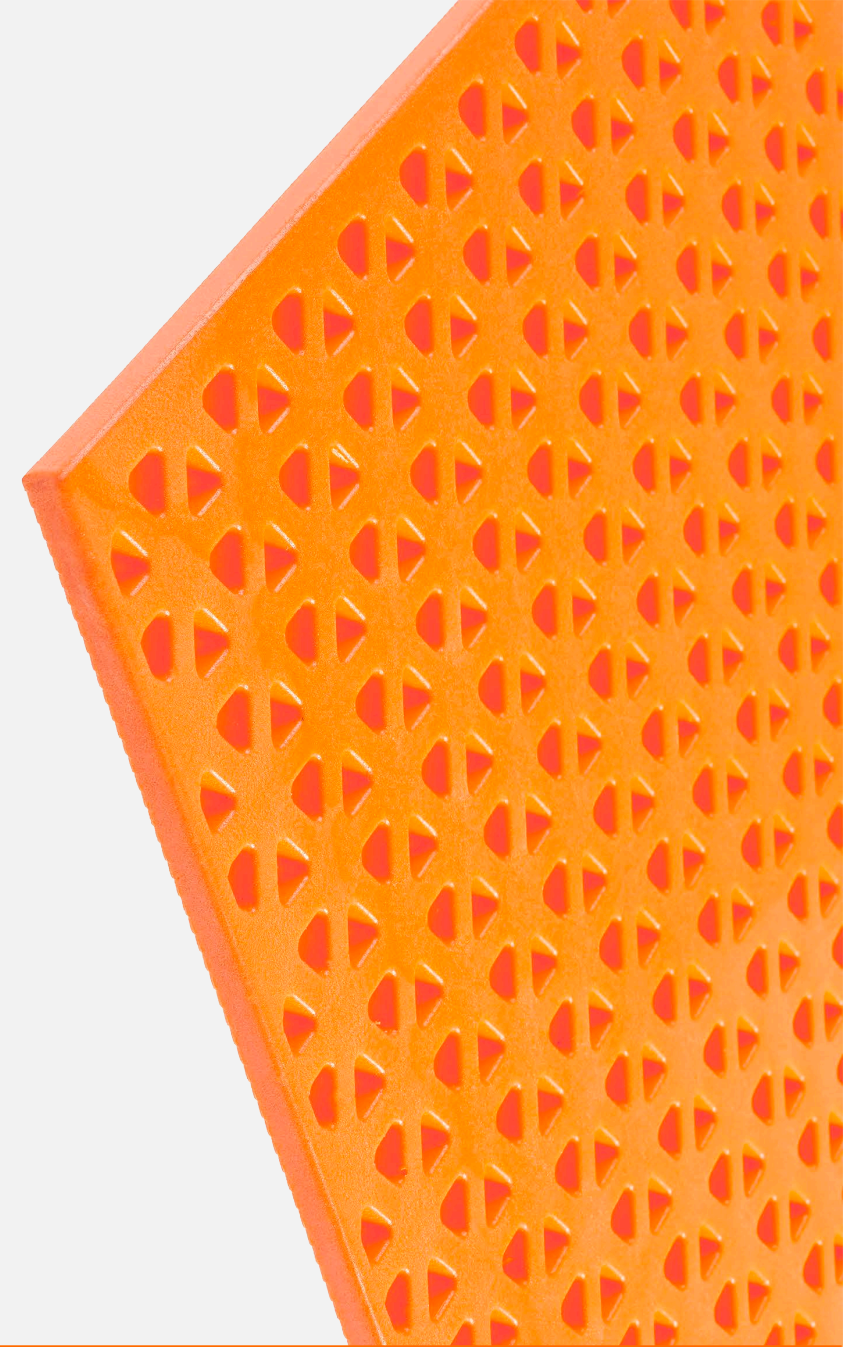
D3O® XTi is available for simple integration of D3O® patented technology into product ranges.

- Optimised for high impact energies
- Maintains softness, flexibility and light weight
- Frequently used for knee and elbow protectors
- Simple integration means the product development process can be greatly accelerated.
- Available in a range of thicknesses.

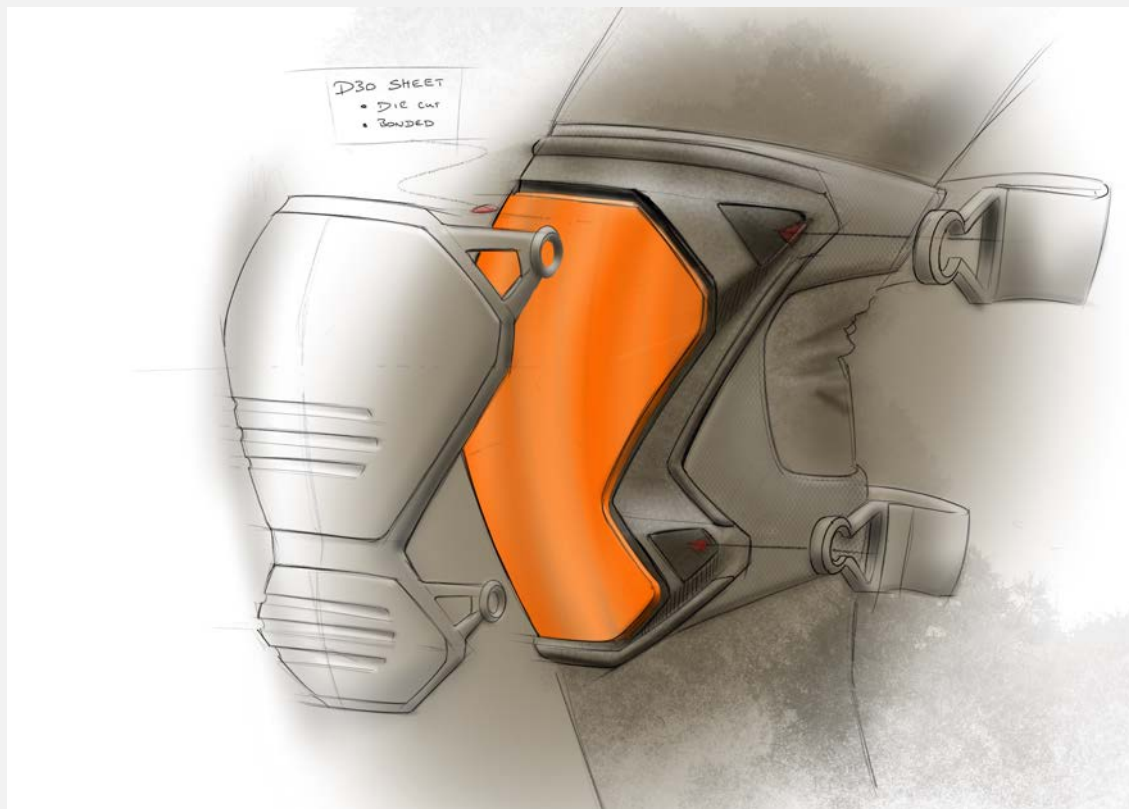
**SF** **XTi** **TRIVENT**

D3O® XTi is available in **TriVent** form for enhanced breathability.

- **Ventilated design:** Open geometry delivers increased airflow and ventilation
- **Cushioning:** Open geometry allows material to collapse and offers greater cushioning
- **Versatility:** Suitable for wide range of applications
- **Size & Yield:** Increased sheet size offers greater yield and geometry allows for easy die-cutting alignment
- **Available thicknesses:** 4, 6, 10mm

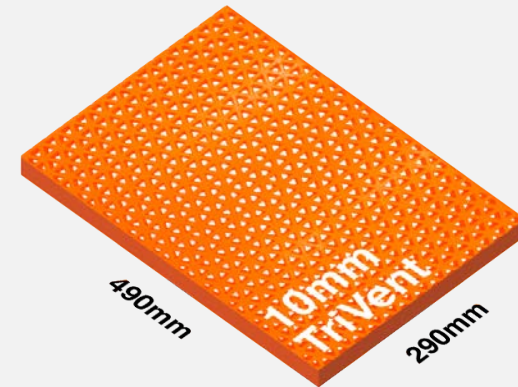
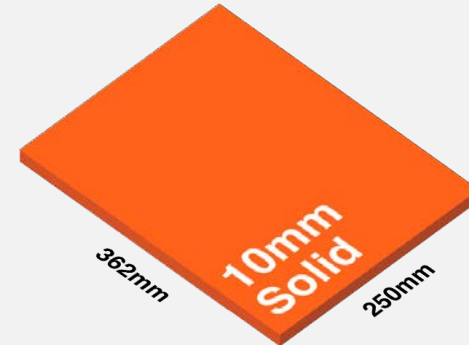
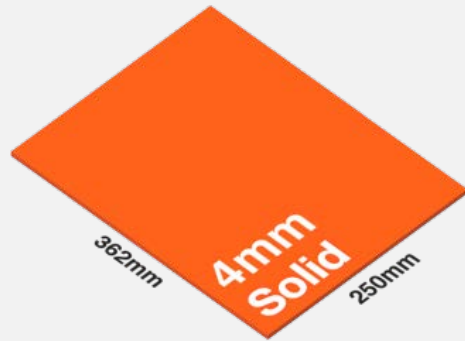


# SF **XTi** SUGGESTED APPLICATIONS



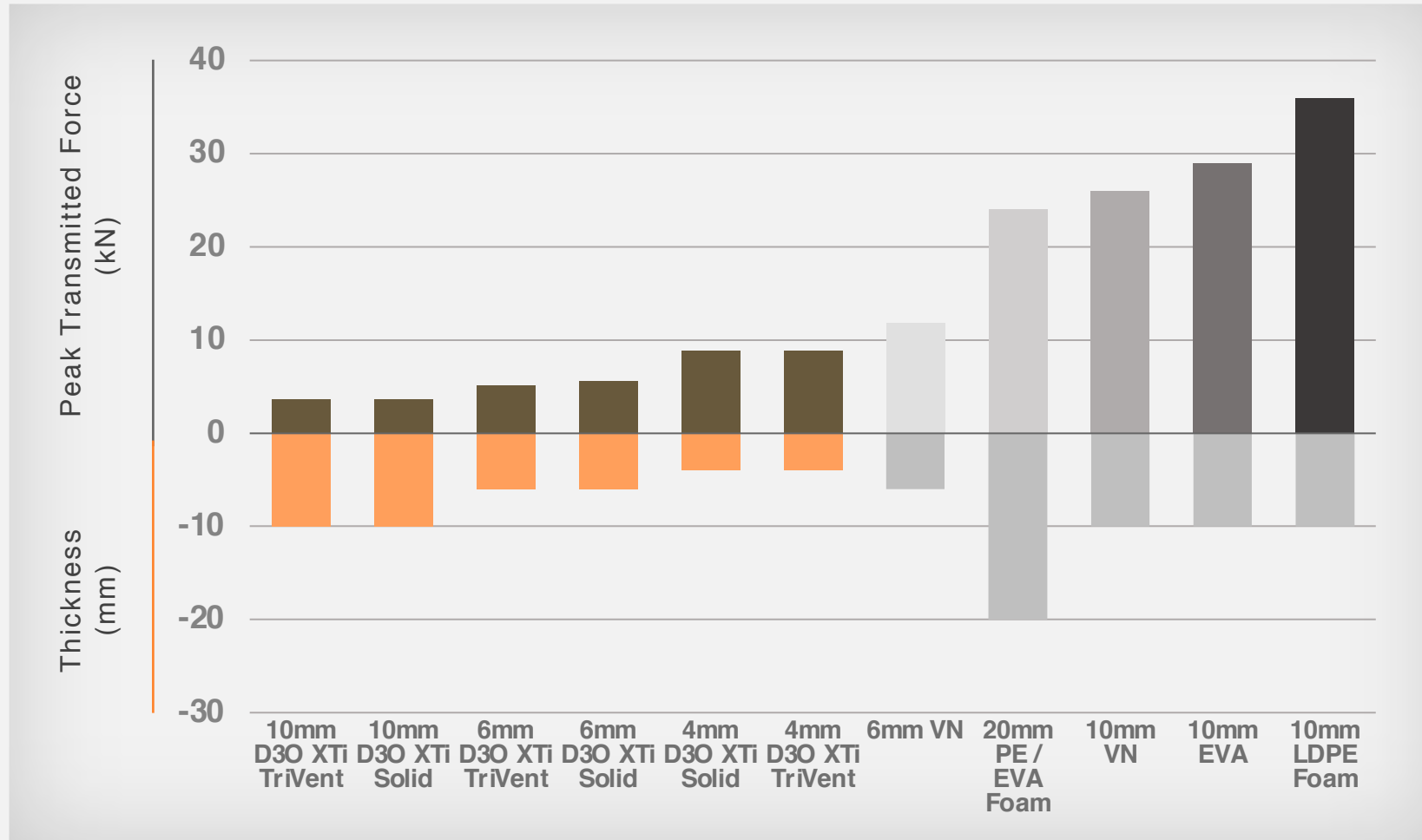
**KNEE PROTECTION**

# SF XTi AVAILABLE THICKNESSES





# SF XTi IMPACT PROTECTION



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



# SF XTi PROPERTIES

Product Name	Units	Method Reference	XTi Solid 4mm Sheet – 369 x 255mm	XTi Solid 6mm Sheet – 369 x 255mm	XTi Solid 10mm Sheet – 369 x 255mm	XTi TriVent 4mm Sheet – 490 x 290mm	XTi TriVent 6mm Sheet – 490 x 290mm	XTi TriVent 10mm Sheet - 490 x 290mm
Product Code	-	-	11081	11082	14260	14047	14048	14050
Colour	-	-	Orange	Orange	Orange	Orange	Orange	Orange
Dimensions	mm	-	369 x 255	369 x 255	369 x 255	490 x 290	490 x 290	490 x 290
Thickness	mm	-	4	6	10	4	6	10
Weight	g	-	196	294	490	279	385	583
Material Code	-	-	SF005	SF005	SF005	SF005	SF005	SF005
Material Type	-	-	Set Foam	Set Foam	Set Foam	Set Foam	Set Foam	Set Foam
Hardness	Shore 00	ASTM D2240 - 05 (2010)	73.6					
Density	g/cm <sup>3</sup>	ISO 845: 2009	0.52	0.52	0.5	0.62	0.58	0.55
Material Tensile Strength	N/mm <sup>2</sup>	ISO 1798:2008	1.8					
Material Elongation at Break	%	ISO 1798:2008	190					
Material Split Tear Strength	N/mm	SATRA TM65	1.9					
Material Flexural Modulus	MPa	DTS052	2					
Material Tensile Modulus	MPa	DTS061	1.16					
Material Deceleration (4.5J)	g	DTS002-2	22.4					
Material Compression Set	%	EN ISO 1856	7.3					
Material Water Absorbency	%	DTS028	9					
Material Accelerated ageing (heat)	%	BS EN ISO 2440:2000	1.7					
Material Accelerated ageing (humidity)	%	BS EN ISO 2440:2000	15.4					





# 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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