

DELTA  
THREE  
OSCAR

D3O<sup>®</sup>  
ZERO

**RF ZERO<sup>TM</sup> RECYCLED FOAM**

**FOOT PROTECTION**

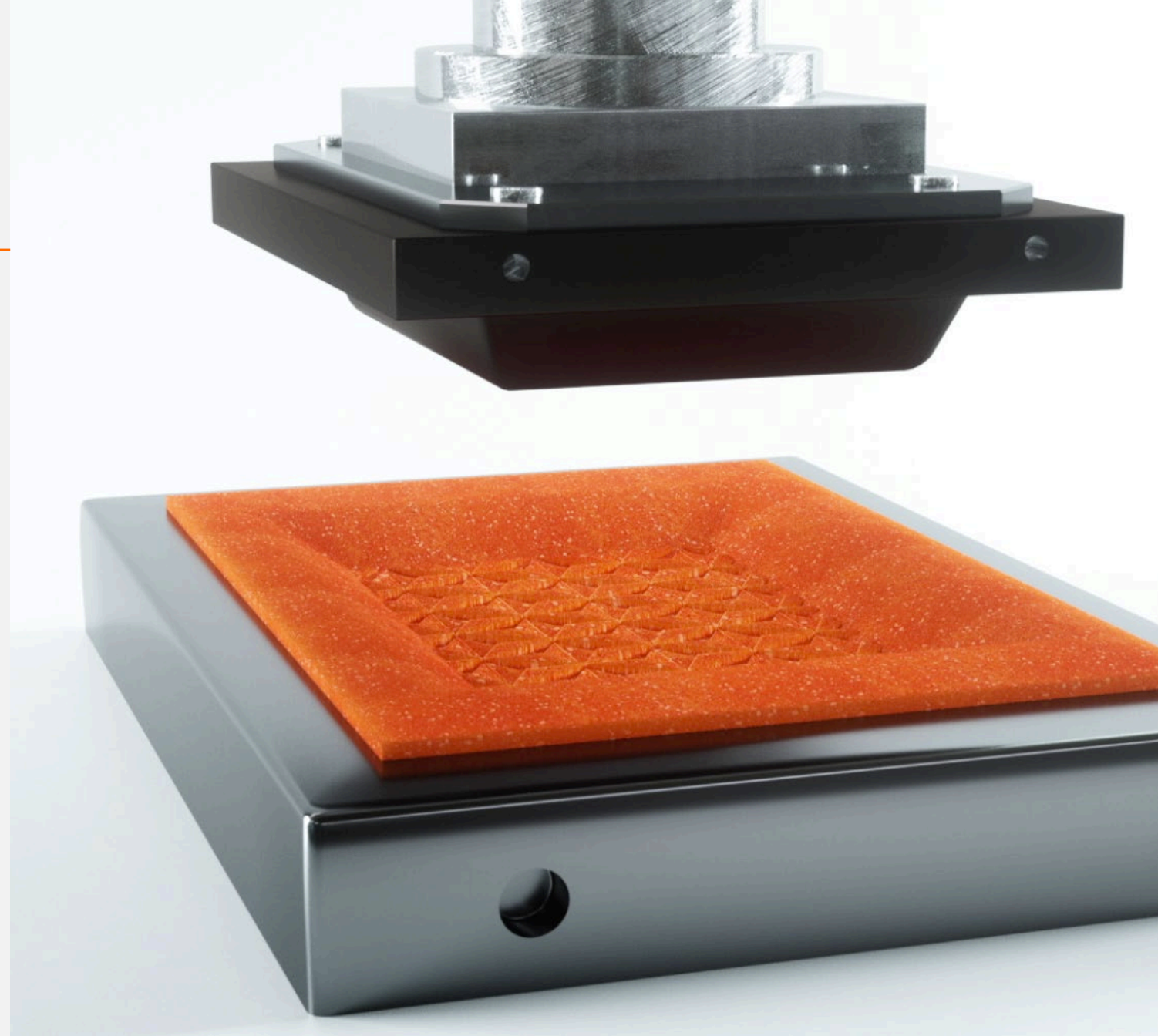


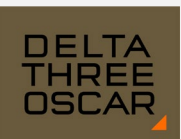
Great Performance. Zero waste.

That is the goal of **D3O® Zero™**.

D3O are committed to reducing waste while protecting people and their things.

**D3O® Zero™** takes waste D3O materials, re-grinds them, mixes in other PU foams and forms **D3O® Zero™** a recycled material, committed to providing impact protection in an environmentally friendly way.





# RF ZERO™

D3O® Zero™ is available for simple integration of D3O® technology into product ranges.

- Superior impact protection and a compelling recycling narrative that also reduces costs
- Stable and resilient after multiple loading, unloading or flexing cycles
- Can be die cut or thermoformed to suit various protective applications
- Simple integration means the product development process can be greatly accelerated
- Meets the Eco Global Recycle Standard (GRS) – which certifies that all product processed in the entire supply chain have undergone the proper steps to ensure the integrity of the final product.
- There is no waste created in the process of producing D3O® Zero™ sheets
- Available in a range of thicknesses





# RF ZERO™ SUGGESTED APPLICATIONS



FOOT PROTECTION

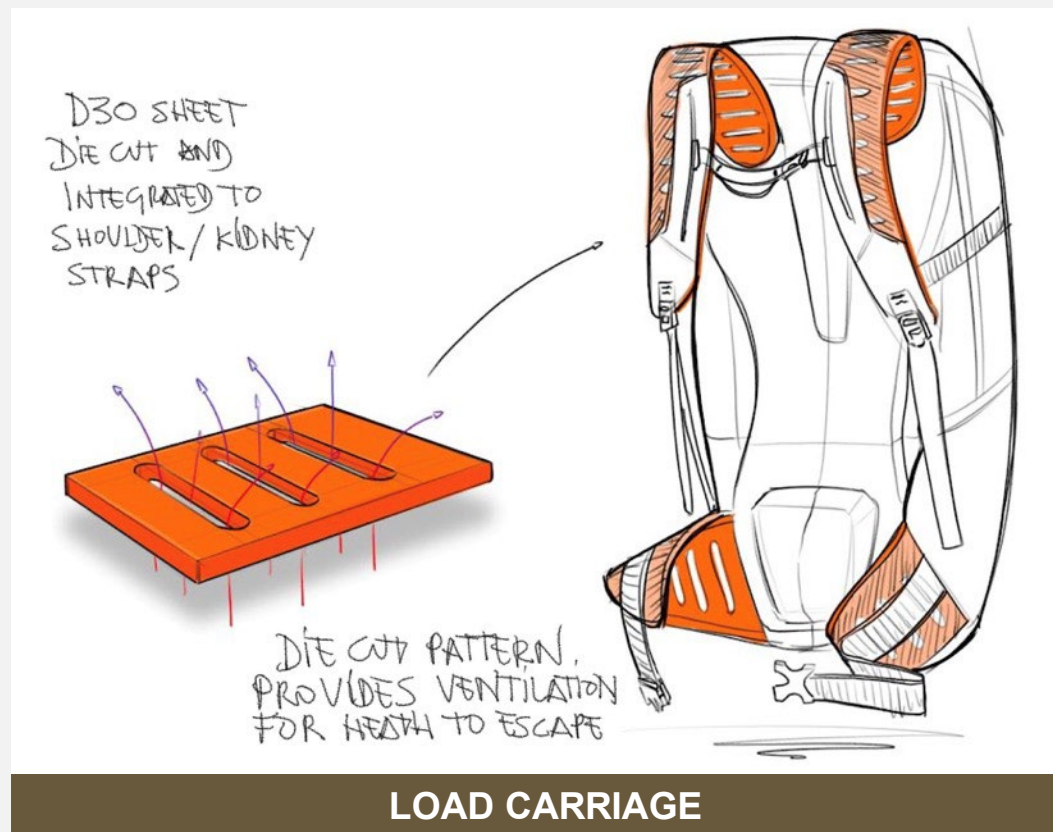


PALM PADDING



BACK OF HAND  
PROTECTION

# RF ZERO™ SUGGESTED APPLICATIONS

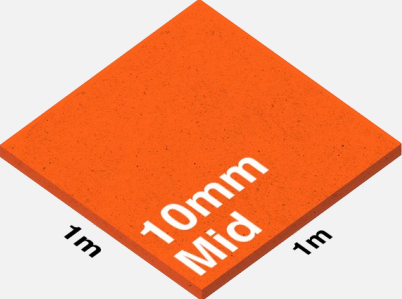
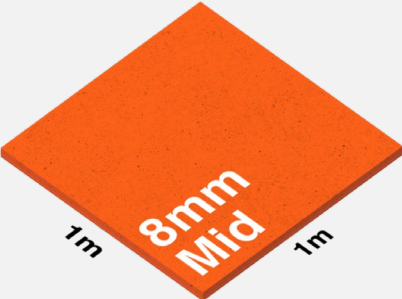
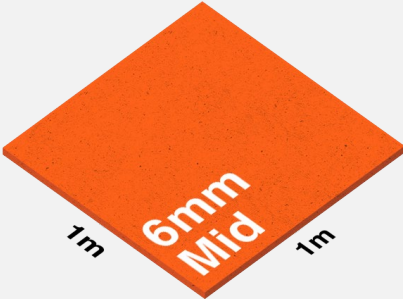
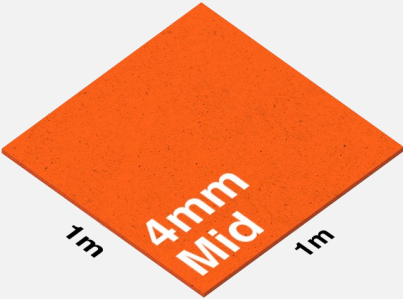
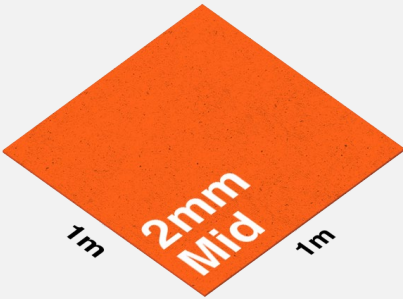
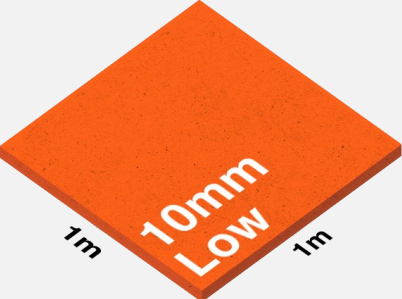
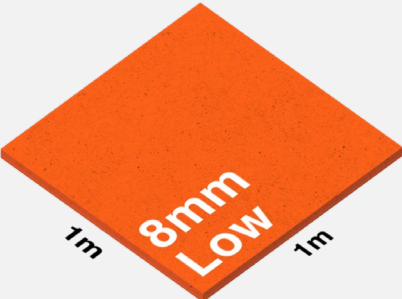
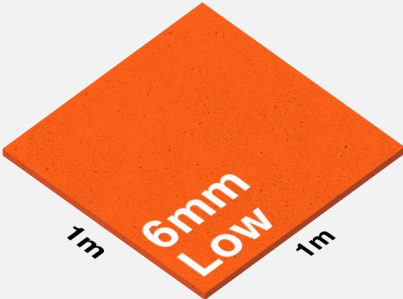
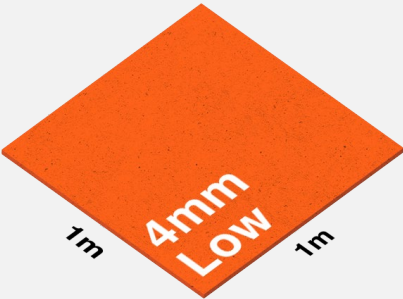
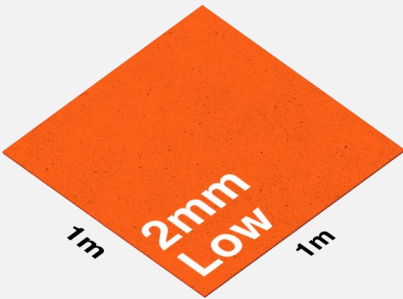


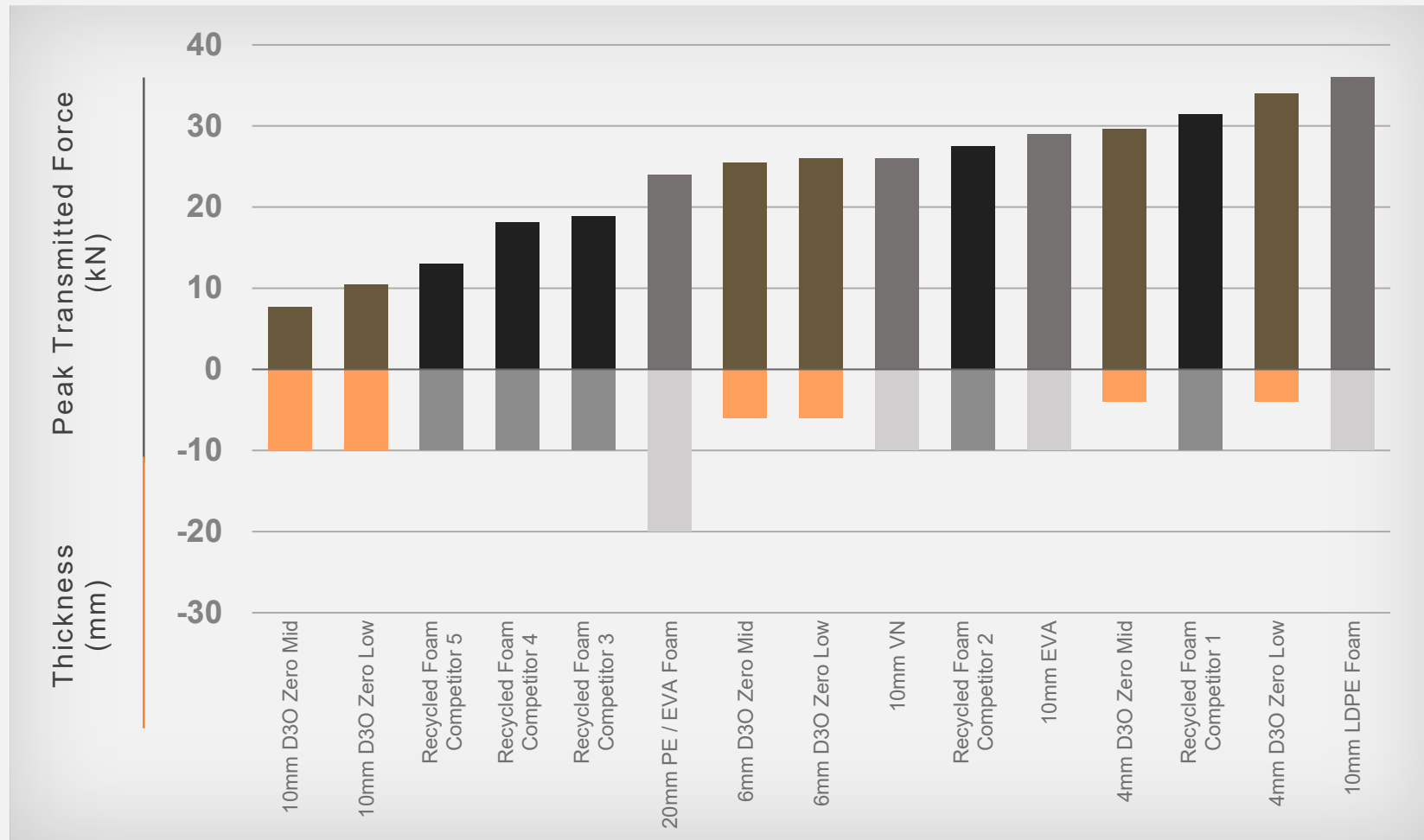


RF

ZERO™

AVAILABLE THICKNESSES



**RF ZERO™** IMPACT PROTECTION**Impact Energy: 10J**

The lower the Peak Transmitted Force, the higher the impact protection

- **D3O® Zero™ Mid** performs up to **74% better** than other recycled grades tested
  - **71% better** than non-recycled 10mm EVA
- **D3O® Zero™ Low** performs up to **46% better** than other recycled grades tested
  - **40% better** than non-recycled 10mm EVA
- All materials tested were 10mm



# RF ZERO™ PROPERTIES

Product Name	Units	Method Reference	Zero™ Low Skived 2mm Sheet - 1000 x 1000mm	Zero™ Low Skived 4mm Sheet - 1000 x 1000mm	Zero™ Low Skived 6mm Sheet - 1000 x 1000mm	Zero™ Low Skived 8mm Sheet - 1000 x 1000mm	Zero™ Low Skived 10mm Sheet - 1000 x 1000mm	Zero™ Mid Skived 2mm Sheet - 1000 x 1000mm	Zero™ Mid Skived 4mm Sheet - 1000 x 1000mm	Zero™ Mid Skived 6mm Sheet - 1000 x 1000mm	Zero™ Mid Skived 8mm Sheet - 1000 x 1000mm	Zero™ Mid Skived 10mm Sheet - 1000 x 1000mm
Product Code	-	-	13486	13488	13619	14200	13490	13487	13489	13618	14199	13491
Colour	-	-	Orange	Orange	Orange	Orange	Orange	Orange	Orange	Orange	Orange	Orange
Dimensions	mm	-	1000 x 1000	1000 x 1000	1000 x 1000	1000 x 1000	1000 x 1000	1000 x 1000	1000 x 1000	1000 x 1000	1000 x 1000	1000 x 1000
Thickness	mm	-	2	4	6	8	10	2	4	6	8	10
Weight	g	-	460	920	1380	1840	2300	540	1080	1620	2160	2700
Material Code	-	-	RF001	RF001	RF001	RF001	RF001	RF001	RF001	RF001	RF001	RF001
Material Type	-	-	Recycled Foam	Recycled Foam	Recycled Foam	Recycled Foam	Recycled Foam	Recycled Foam	Recycled Foam	Recycled Foam	Recycled Foam	Recycled Foam
Hardness	Shore 00	ASTM D2240 - 05 (2010)	49.5					58.6				
Density	g/cm3	ISO 845:2009	0.23					0.28				
Material Tensile Strength	N/mm2	ISO 1798:2008	0.26					0.37				
Material Elongation at Break	%	ISO 1798:2008	79.5					77				
Material Split tear strength	N/mm	SATRA TM65	0.64					0.72				
Material Flexural Modulus	MPa	DTS052	0.43					0.79				
Material Deceleration (4.5J)	g	DTS002-2	90.2					57.1				
Material Tensile Modulus	MPa	DTS061	0.48					0.84				
Material Compression Set	%	EN ISO 1856	3.9					4				
Material Water absorbency	%	DTS028	302					248				
Material Accelerated ageing (heat)	%	BS EN ISO 2440:2000	9.9					14.8				
Material Accelerated ageing (humidity)	%	BS EN ISO 2440:2000	-32.3					-13.5				
Material Recycled Content	%	-	68					69				





# 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.

For commercial queries please visit  
[www.deltathreeoscar.com/contact-us](http://www.deltathreeoscar.com/contact-us)