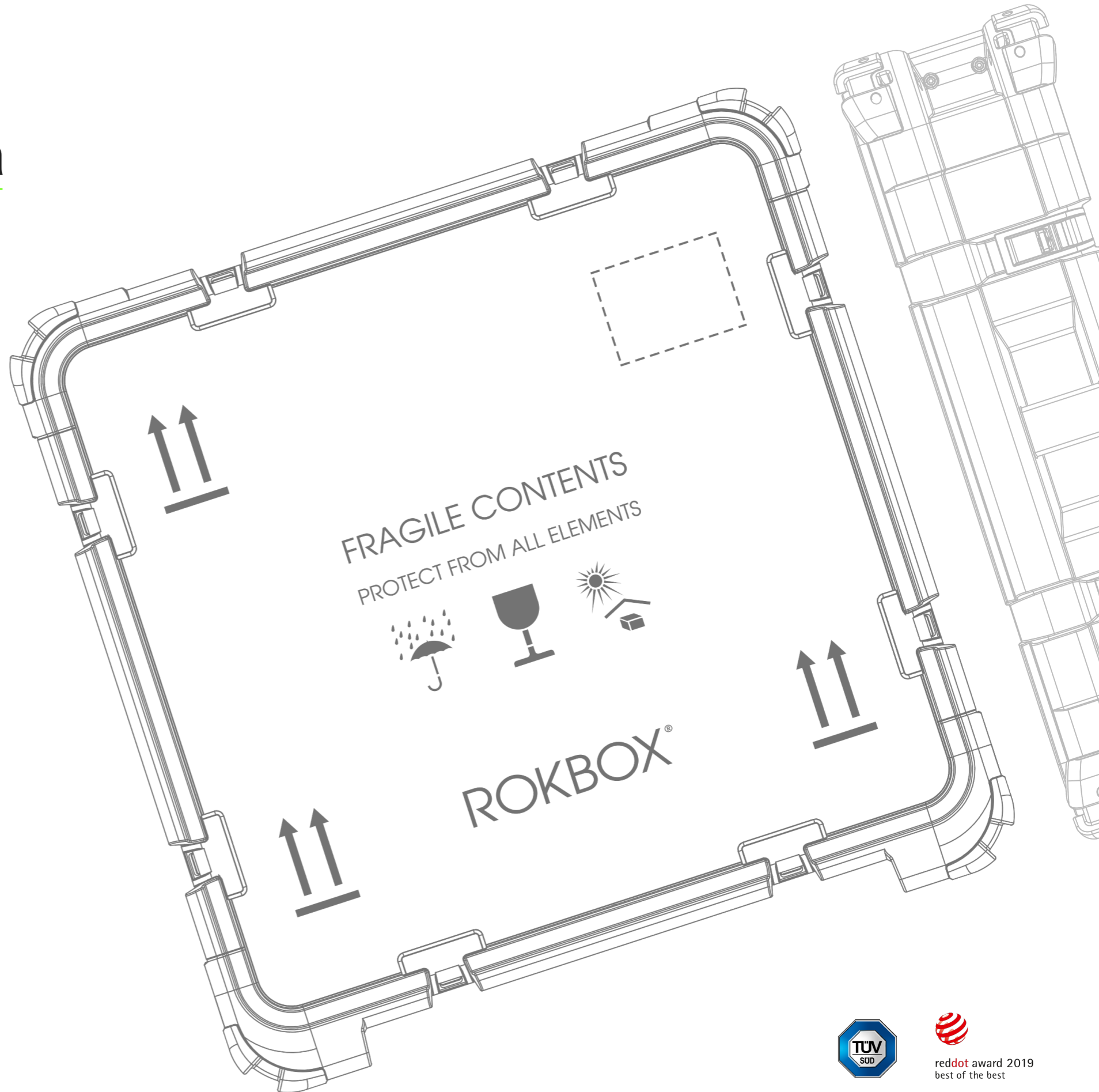
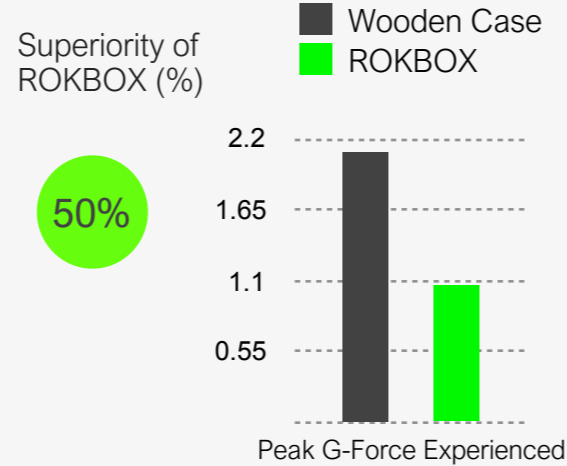
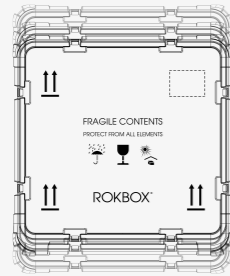


Performance Data



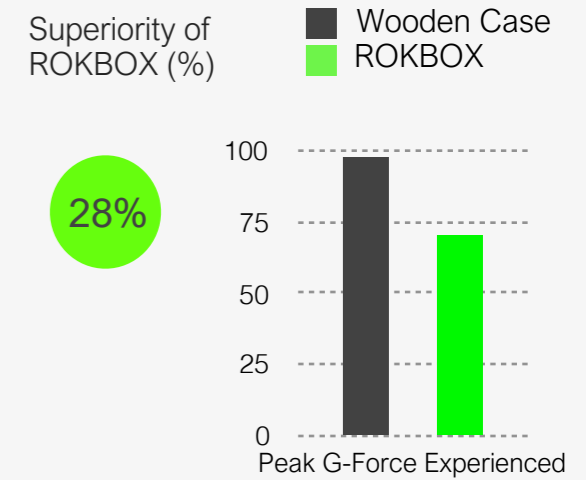
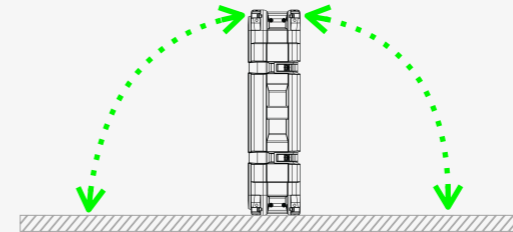
Test 1: Vibration 3.5Hz - 30Hz

ROKBOX provides better protection against potentially damaging road transport vibration than wooden cases.



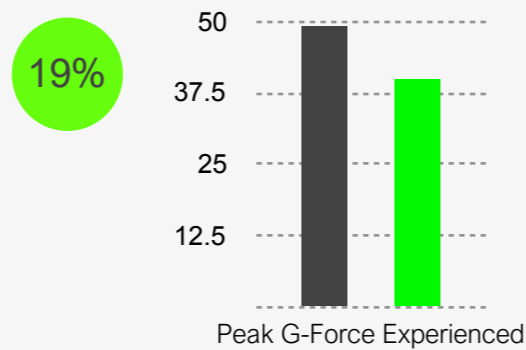
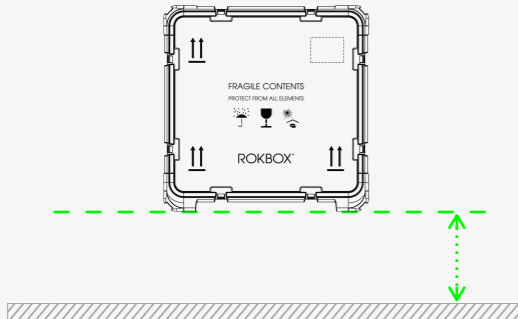
Test 4: Shock Resistance – Full Topple

ROKBOX provides better protection against shock than wooden cases for full face topple tests at 109cm & 159cm heights.



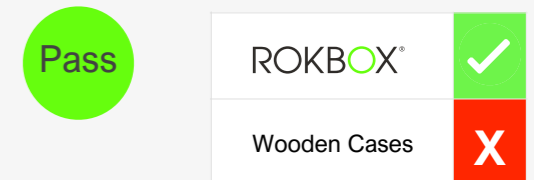
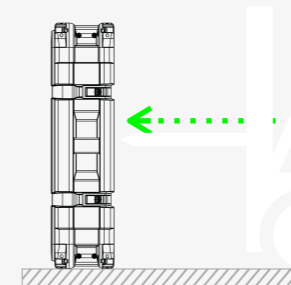
Test 2: Shock Resistance – Straight Drop

ROKBOX provides better protection against shock than wooden cases tested at 15cm & 60cm heights.



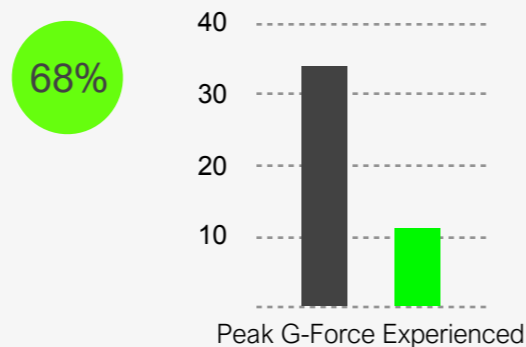
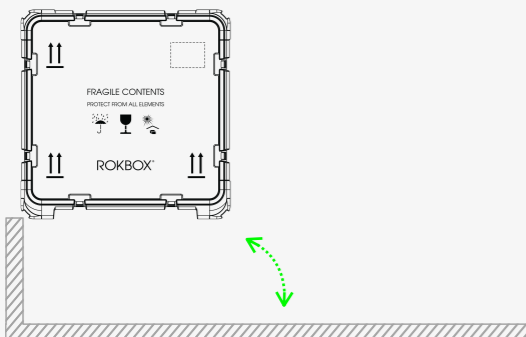
Test 5: Forklift Resistance – Impact at 5 mph

ROKBOX provides better puncture protection against forklift impacts than wooden cases.



Test 3: Shock Resistance – Corner Drop

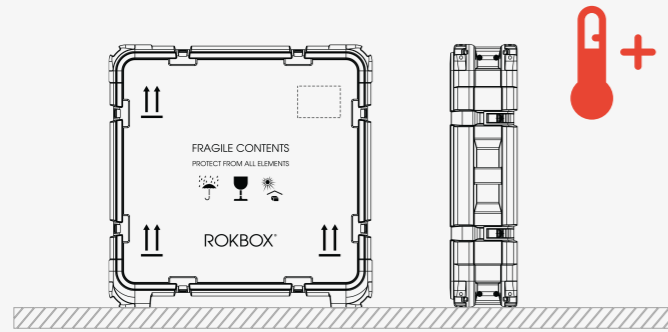
ROKBOX provides better protection against shock than wooden cases tested at 15cm & 60cm heights.



Tests 1,2,3 & 4 results are averaged data sets for 4 of each test in both 109 cm x 109cm and 169cm x 169cm ROKBOX and wooden cases.

Test 6: Temperature Performance

ROKBOX provides similar thermal insulation to wooden cases to extreme temperature fluctuations during transport and storage, *when artworks are with polythene wrapped T-frame.

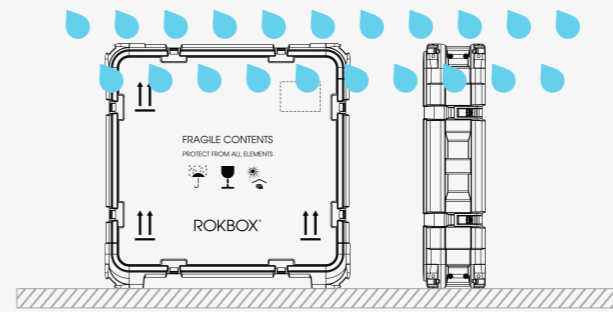


ROKBOX®	Half-Temp -20°C (Mins)	Half-Temp +20°C (Mins)	Parity
Wooden Cases			

Test 8: Water Resistance Exposure

ROKBOX provides better protection against moisture ingress, from heavy rainfall and sprinkler flooding events than wooden cases.

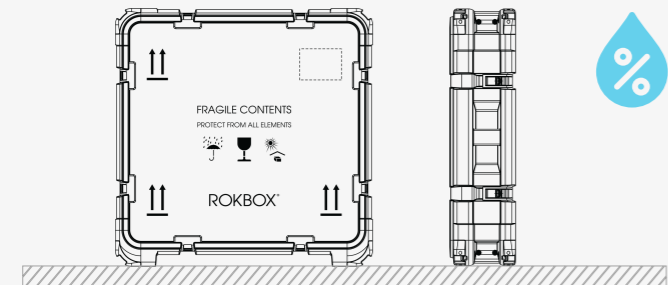
10 mins



ROKBOX®	✓
Wooden Cases	✗

Test 7: Humidity Performance

ROKBOX provides similar insulation against extreme changes to humidity in wooden cases, during transport and storage, *when artworks are within polythene wrapped T-frame.

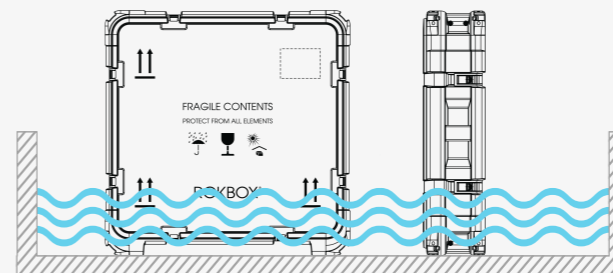


ROKBOX®	Half-Temp -20°C (Mins)	Half-Temp +20°C (Mins)	Parity
Wooden Cases			

Test 9: Water Resistance Immersion

ROKBOX provides better protection against moisture ingress, from standing water/flooding events than wooden cases.

6 hours



ROKBOX®	✓
Wooden Cases	✗

Testing Facility

TÜV SÜD

- 150 years of product, process, safety and quality expertise.
- Provides technical consultancy, testing and certification services for product packaging.
- Evaluates the performance of packaging, and the level of protection it provides to products in transit or storage.

Accreditation

- UKAS laboratory (United Kingdom National Accreditation Body)
- ISTA (International Safe Transit Association)



Testing Validation

All of our testing has been rigorously and independently validated.

Please see additional documentation of claim validation by the University of Leicester.

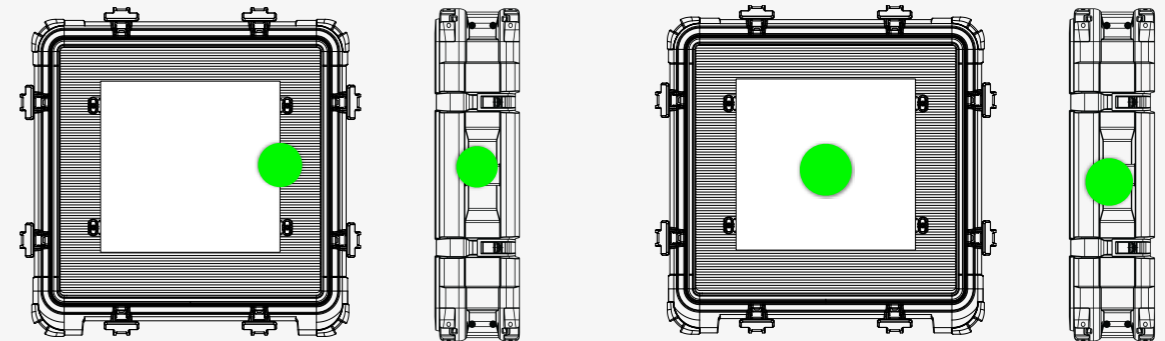
Testing Setup

Mechanical

Sensors measuring g-force positioned in similar positions on ROKBOX and wooden case

Tri-axial accelerometers attached at midpoint on side of case

Tri-axial accelerometers attached at midpoint on canvas stretcher



Climatic

Temperature and Humidity Sensors suspended in centre of case 5cm from canvas face

ROKBOX and wooden cases tested with identical *polythene wrapped internal T-Frames in climatic tests

Wooden cases benchmark museum specification

Wooden case

- Panels: 18mm ply ISPM 15
- Structure: 25mm x 27mm batons ISPM 15
- Foam: 50mm S275
- Seal: Stainless steel capture bolts. Neoprene gasket
- Feet: 100mm x 500mm timber ISPM 15
- Finish: Varnished

T-Frame

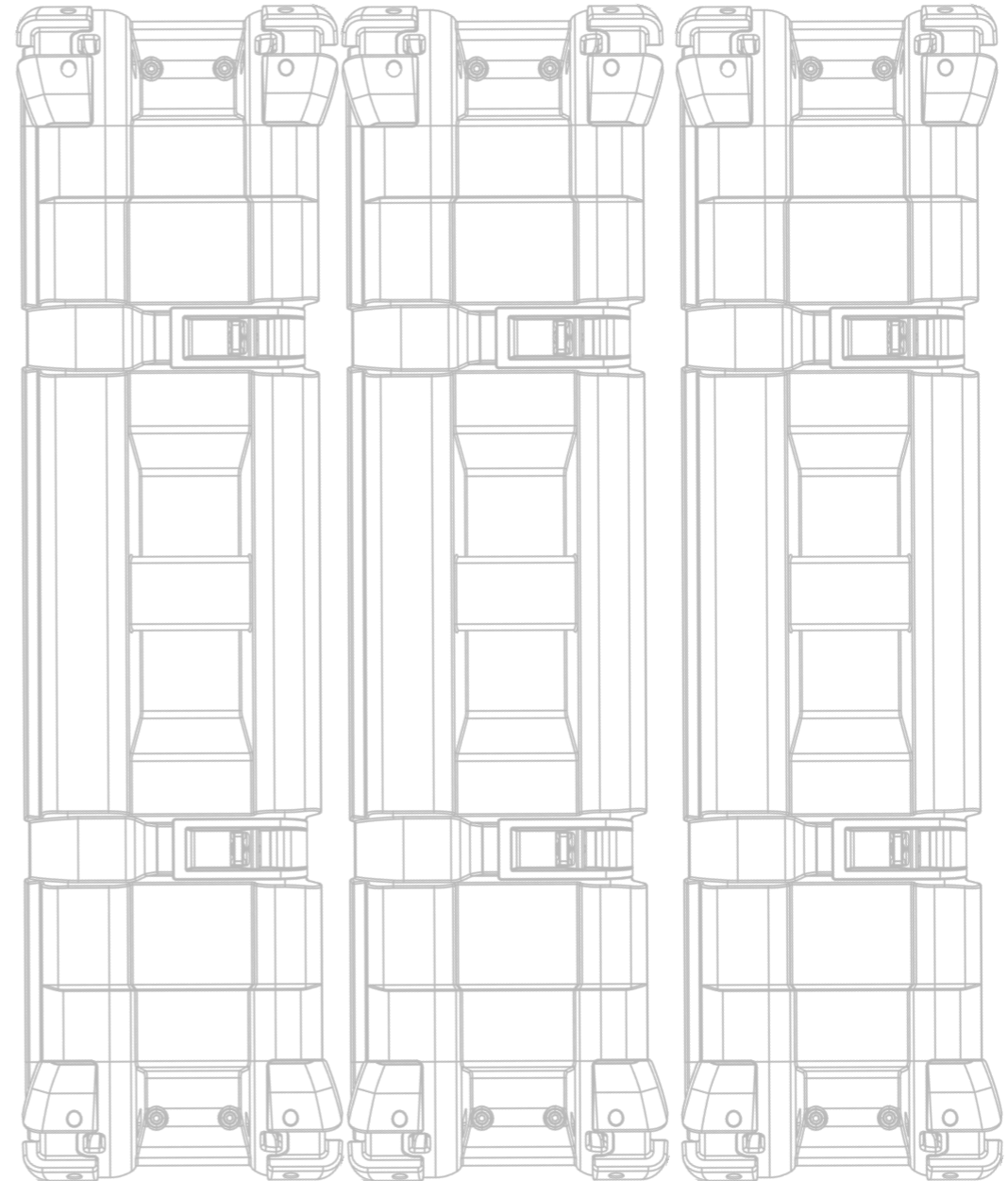
- Sides: Softwood ISPM 15
- Rear: Corrugated cardboard
- Corners: 18mm plywood
- Handles: Stainless steel handles
- Fixing: Screwed, hot glued, stapled
- *Polythene wrapped and tape sealed for climatic testing

Safe. Efficient. Sustainable.

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REGISTERED COMPANY No.9824787



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