



## Mineral Polymer Composite Roof Tiles

# Protecting the environment. Protecting your home.

Harvey EcoTile is an engineered technological design with an interlocking feature, lightweight and maintenance free. Weatherproof and virtually unbreakable in normal use.

## DATA SHEET

### COMPANY INFORMATION

ITEM	DESCRIPTION
Product Name	Harvey EcoTile®
Manufacturer	Harvey Roofing Products a division of Macsteel Service Centres SA Pty (Ltd)
Company Registration	2005/016292/07
Website	<a href="http://www.harveyroofingproducts.co.za">www.harveyroofingproducts.co.za</a>
Contact number	Tel: 011-741-5600
Email	<a href="mailto:albie.jordaan@macsteel.co.za">albie.jordaan@macsteel.co.za</a>
Physical Address	CNR Molecule & Helium Roads, Vulcania, Brakpan
Postal Address	P O Box 420, Brakpan, 1540

### PRODUCT INFORMATION

ITEM	DESCRIPTION
Product Description	Mineral Polymer Composite Roof Tile with UV stabilizer
Profile	Double Roman (single)
Colour	Dark Grey - through colour
Texture	Marble finish, non-brittle (will not shatter)
Tile Weight	Ave 1.60 kg each
Weight M <sup>2</sup>	15.36kg / m <sup>2</sup>
Tiles / m <sup>2</sup>	9.6
Dimensions	324mm x 420mm
Effective Coverage	310mm x 335mm
Wall thickness	4.5mm
Overall Thickness	12mm
Packaging	Timber pallets in multiples of 400 tiles or 600 tiles.



## TECHNICAL INFORMATION

ITEM	DESCRIPTION
Certifications	Agrément ref 2021/624 (ISO 9001 & 14001)
Under tile Membrane	None required for recommended roof pitch ( refer installation manual)
Thermal Properties	K. eff = 0.264 R. eff = 2.443 Note: concrete roof tiles R eff = 2.258. Commercial cement roof tiles yield only 7 % less heat flow than Harvey Eco Tile (Independent test by University Stellenbosch)
Walkability Test	Passed: Point load breakage at 360kg
Compliance with National Building Regulations	Agrément Certified Behaviour in fire: Complies with SANS 10400 Part T (Table 2)
Water Absorption	< 0.5%
Hail resistance (SABS ref BCT – 21017600046)	There were no cracks or visible damage observed on Harvey EcoTiles after they subjected to Ice ball diameter 38mm at speed 31.62 m/s
QUV Test	@1000 Hours = 8 Years exposed with no change to product integrity and colour stability
Fixing methodology	Interlocking and positive fixed onto battens (refer installation manual)
Recommended truss spacing	1100mm spacing using SABS timber – size 114 mm x 38 mm.
Recommended batten spacing	335mm using 38 x 38 SABS timer or LSF top hat sections
Fasteners	a) TIMBER SECTIONS: Class 3 : Fixing Screw with Washer Assembly 4.8mm x 45mm HWASH T17 b) LSF SECTIONS: Class 3 : M6 x 38 Hex and 17Nm torque
Roof pitch	12.5 - 30 degrees (refer installation manual) Over 30 degrees – please consult with manufacturer for guidelines.
Recyclable	100%
Paintability	Suitable for post painting
Solar Compatible	Yes / Unique Solar Brackets available
Warrantee	20 Year (Ts & Cs apply)



Lightweight



Low on  
Maintenance



Strong & Durable.



Weatherproof



Attractive design



Easy installation



Paintable



SANS 10400-T  
Tested



Waste  
Material



100%  
Recyclable



Waterless  
Production



Community  
Development



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[www.harveyroofingproducts.co.za](http://www.harveyroofingproducts.co.za)