



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	www.harveyroofingproducts.co.za
Contact number	Tel: 011-741-5600
Email	albie.jordan@macsteel.co.za
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 ²	15.36kg / m ²
Tiles / m ²	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
Warranty	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



A Division of **MACSTEEL**

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www.harveyroofingproducts.co.za