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Harvey®
Roofing Products
A Division of MACSTEEL

Harvey TuffSpan®

PRODUCT BROCHURE






PROUDLY SOUTH AFRICAN®

NATURAL STONE COATED CORRUGATED ROOF SHEETS



A Timeless Classic, Reimagined

Natural Stone Coated Roof Sheets

Harvey Tuffspan® combines the classic, versatile profile of corrugated steel with the legendary durability of Harvey's natural stone-coated finish. It offers superior protection against UV rays, heavy rain and extreme impact with never-fade, never-paint peace of mind.

Superior Weather Protection: The stone-coated surface acts as a barrier against hailstorms, intense downpours and UV degradation.

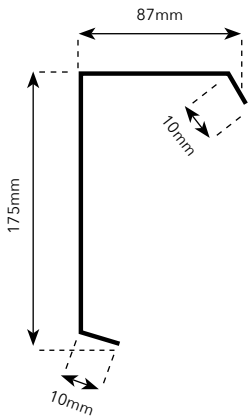
Never Paint: Because the rich colour is inherent to the natural stone granules themselves, it will never peel, flake or fade like traditional roof paint. You get a permanent, premium finish with zero lifetime maintenance costs.

Corrosion & Rust Resistance: Built to withstand harsh environmental pollutants, preventing the rust and flaking common with standard galvanised roofing.

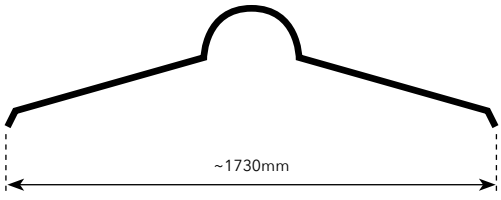
Acoustic Dampening: The textured stone layer significantly absorbs sound, drastically reducing the noise of rain or hail on the roof for a quieter interior.

Zero Glare & Thermal Comfort: Unlike reflective metallic sheets, the matte stone finish eliminates harsh sun glare while naturally diffusing heat under the African sun.

Accessories



1. Gable
Barge Board Cover
Height: 175mm
Width: 87mm
Edges: 10mm



2. Ridge
Roll-top ridge
~ 1730 mm

Available in 4 Natural Stone Coat Colours



Light Brown



Dark Brown



Greystone



Midnight Black



Timeless Versatility

The traditional corrugated profile remains one of the most versatile shapes in architecture. Harvey Tuffspan leverages this classic geometry to offer unmatched design and installation flexibility:

Architectural Adaptability: Complements everything from contemporary high-end residential to modern urban developments and commercial projects.

Low Pitch Capabilities: Engineered for excellent water shedding, making it highly effective even on lower-pitched roof designs.



Natural Stone Coat

In the constant battle against the elements, nothing stands up to nature like solid rock.

Harvey Tuffspan® corrugated roof sheets consist of a steel substrate coated in natural stone. The natural, unpainted stone coating will not fade and never needs painting. It provides a naturally beautiful and durable barrier for decades of environmental onslaughts. Stone coated sheets are immune to discolouration and offer superior grit adhesion.

The lightweight steel-based roof sheets reduce the weight burden on roof structures. This allows for savings on structural timber and foundations.

Harvey TuffSpan Specifications

Section	Parameter	Specification
1. Material Specification	General Description	Corrugated steel roofing, coated with natural stone.
	Base Material	High tensile steel (ISQ 550, 550MPa)
	Protective Coating	Galvanised coating ~ Z100 (100 g/m²)
	Colour Range	Midnight Black, Greystone, Dark brown, Light brown
2. Physical Dimensions	Nominal Cover Width	762 mm (10.5 corrugations)
	Corrugation Pitch	76 mm
	Corrugation Depth	18 mm
	Substrate Thickness	0.30 mm
	Total Coated Thickness	~ 1.5 mm (TCT)
	Standard Length	3.6 m
	Total Weight	3.185kg / m
3. Accessories	Ridge	Roll-top ridge ~ 1730 mm
	Gable	Barge Board Cover 10 mm x 87 mm x 175 mm x 1 718 mm
4. Storage & Handling	Storage Conditions	Store off ground on level supports, covered and ventilated and dry
	Handling Requirements	Lift sheets individually, avoid dragging
5. Roof Design Requirements	Minimum Roof Pitch	10°
	Purlin Spacing	400 – 500 mm
	Underlay	Insulation foil recommended; installed with sag between purlins
6. Installation Requirements	Sheet Layout	Install from leeward side; orient overlaps away from prevailing wind
	Side Lap	Minimum 1 to 1.5 corrugations
	End Lap	150 mm (≥15° pitch), 200–250 mm (low slope)
7. Fixing System	Fasteners	Hex head Self-drilling roofing screws (12g–14g) with EPDM/ neoprene washers
	Fastener Material	Corrosion-resistant (galvanised or stainless steel)
	Fixing Position	Crest of corrugation for roofing applications
	Fixing Pattern – Eaves	Every corrugation
	Fixing Pattern – Intermediate	Every 2nd corrugation (Fix – Skip – Fix – Skip – Fix…)
	Fixing Pattern – Ridge	Every corrugation
	Installation Control	Avoid overtightening; ensure perpendicular fixing
8. Fabrication & cutting	Approved Methods	Nibblers or shears
	Prohibited Methods	Angle grinders (risk of coating damage)
9. Flashings & Penetrations	Rolltop Ridge Installation	Minimum 150 mm overlap; fixed through the ridge apron. Into the crest of the corrugation below.
10. Quality Control	Inspection Criteria	Verify alignment, overlaps, fastener installation, and surface integrity
	Post-Installation	Remove metal swarf immediately to prevent corrosion

Walkability: The purlin spacings provided herein are intended solely as a general guide. HRP accepts no responsibility or liability for product failure, damage to sheets, or any defects arising from foot traffic, handling, storage, or installation practices. It remains the responsibility of the installer to ensure appropriate methods are applied to prevent damage.

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