



KEBS STANDARD

KS 2972: 2023 – Light Gauge
Steel Frame Building

ULTRA-SPAN[®]

LIGHT GAUGE STEEL TRUSS SYSTEM



MRM

MABATI ROLLING MILLS



SAFAL

Building Systems Ltd.

(100% Subsidiary of MRM)

Ultra-Span® is the brand name of our pre-engineered steel roof trusses manufactured from high tensile Zinal Steel of 0.5mm to 1.6mm thickness.

Ultra-Span® is an advanced engineered solution that is quick and easy to deliver and assemble on site. It is strong, durable, affordable and structurally stable.

Design and detailing is done using software developed and patented for the system.

**SUPPLIED
OVER
2,000,000 SQM
OF ROOF FROM
SAFAL BUILDING SYSTEMS
KENYA PLANT**



The following aspects are considered when designing the trusses:

Set of architectural or structural drawings
(floor plan, roof plan, elevations and sections)

Pitch, roof cover
and overhang

Special loading such
as solar water heaters

Ultra-Span® is perfect for:



Residential
applications



Institutional
applications



Commercial /
industrial applications



Reliable Quality Solutions

Fully pre-engineered and supported by specialised software made from high tensile coated steel.



Easy to Construct

Easy and quick to assemble and erect on site.



Ultimate Design Flexibility

Ultra-Span® is compatible with all kinds of roof cover material: metal / steel sheets, clay roofs, bituminous shingle roofs.



Environmentally Friendly

Ultra-Span® light gauge steel is 100% recyclable, termite free and fire resistant.



Light Weight

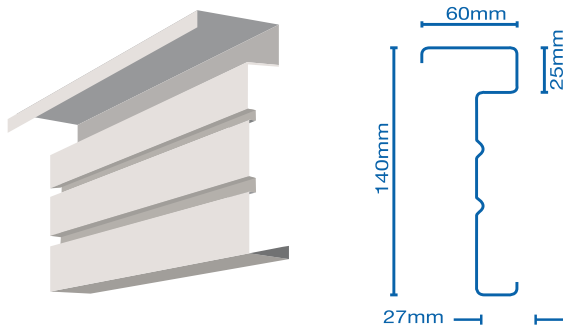
Ultra-Span® is made from light gauge steel hence the weight does not put much pressure on the structure.



Termite Proof

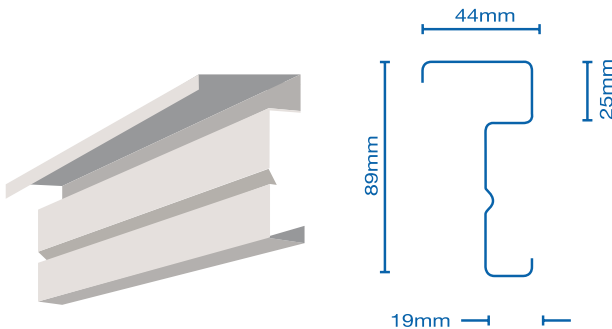
Ultra-Span® is a reasonable and practical way to avoid the costs of termite damage and ensure the health of your building.

Product Specifications



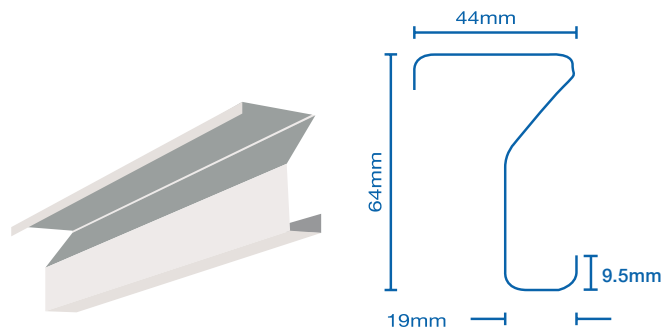
CHORDS
USC 140 x 1.0, 1.2, 1.6 mm steel
(Suitable for large spans/girders)

Weight Kg/m
Approx: 2.08, 2.51, 3.34 Kg/m



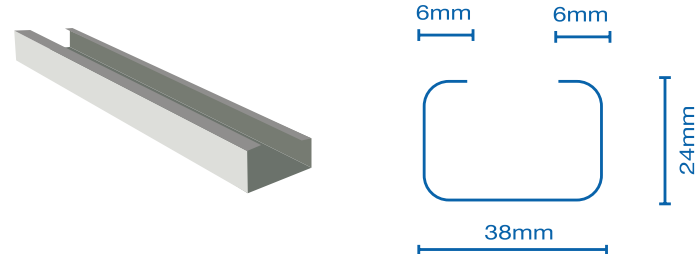
CHORDS
USC 89 x 1.0, 1.2 mm steel
89mm in 1.0mm or 1.2 mm thick steel

Weight Kg/m
Approx: 1.44 & 1.73 Kg/m



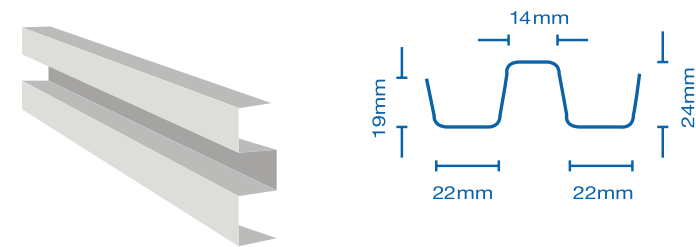
CHORDS
USC 64 x 0.8 or 1.0mm steel
64mm in 0.8mm or 1.0 mm thick steel

Weight Kg/m
Approx: 0.93 & 1.16 Kg/m



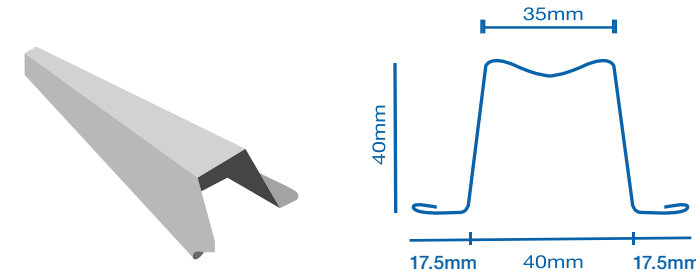
WEB
USW 38 x 0.8, 1.0mm steel
38mm in 0.8mm or 1.0mm thick steel

Weight Kg/m
Approx: 0.56 & 0.7 Kg/m respectively



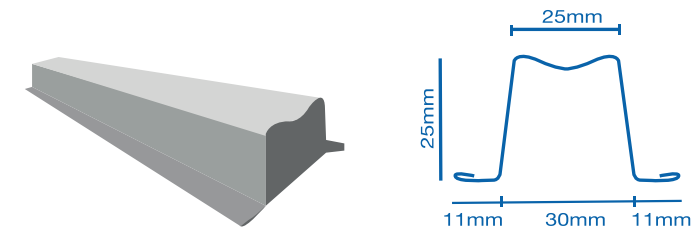
WEB
USW 76 x 0.8, 1.0, 1.2 or 1.6mm
76mm Web in 0.8, 1.0, 1.2 or 1.6mm steel

Weight Kg/m
Approx: 0.93, 1.16, 1.38, 2.04 Kg/m



HAT CHANNEL
40mm Purlin x 0.5mm

Weight Kg/m
Approx: 0.62 Kg/m respectively



BATTEN
25mm Batten x 0.5mm

Weight Kg/m
Approx: 0.42 Kg/m



Ultra-Span® Steel Battens

Ultra-Span® hat channels / battens are made of high-tensile steel coated with Aluminium-Zinc alloy for maximum corrosion-resistance and durability. The battens are suitable for use on both timber and steel trusses and are more economical than timber battens.



Ceiling brandering

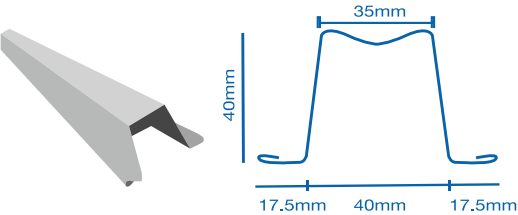


Ultra-Span® steel battens on timber trusses

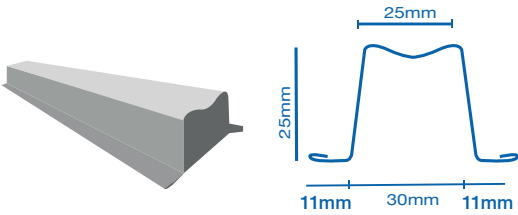
Ultra-Span® battens give your roof a neat finish since all members are straight and level. Steel has no moisture content and therefore does not bend with time.

Product Specifications

40mm Steel Batten
Weight Kg/m | Approx: 0.62 Kg/m

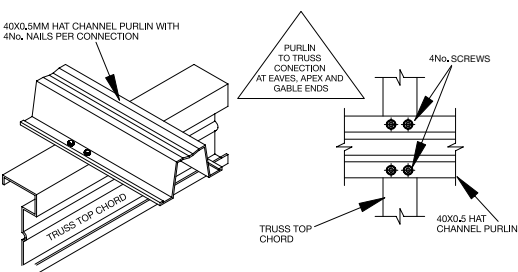


25mm Steel Batten
Weight Kg/m | Approx: 0.42 Kg/m

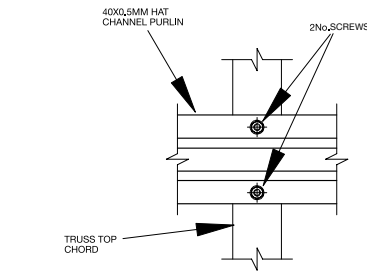


Fixing instructions: Ultra-Span® battens for timber & steel truss application

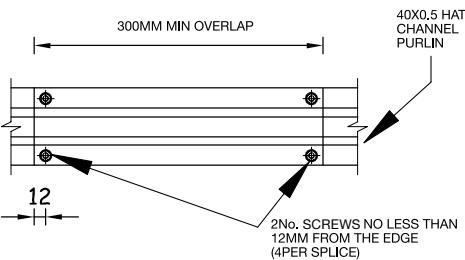
Batten-to-truss connection at the eaves, apex and gable ends



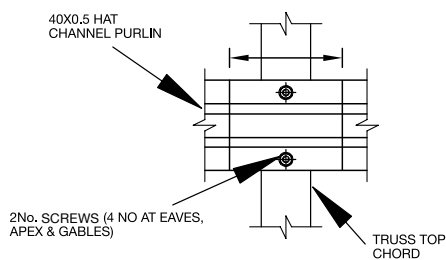
Batten-to-truss connection inside the building



Splice/joint connection mid-span



Splice/joint connection over a truss



Roof cover	Truss / rafter spacing underneath (mm)	Batten spacing (mm)	Steel battens to be used (mm)
Sheets (Covermax, Maxcover & iT5)	1400	1150	40
Tiles (Versatile, Orientile, Elegantile)	1400	600	40
Stone coated (Lifestile)	1400	368	40
Stone coated (Lifestile)	1100	368	25
False Ceiling	1400	600	25
Clay tiles	1200	320	40
Clay tiles	1100	320	25



ULTRA-SPAN®

LIGHT GAUGE STEEL TRUSS SYSTEM

Talk to us today!

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