

K-STRUCTURES™

Quality Solution In Steel Building System



Stringent Quality & Performance

KS 760 DECK

FEATURES

The durable and versatile **KS 760 D** profile is suitable for use as roof and wall cladding. With its unique 5 corrugation profile and stiffened rib design with anti-capillary gap, all side lap joints are accurately secured and provides extra strength for optimal performance.

The **KS 760 D** is aesthetically pleasing and is appropriate for all types of industrial, commercial and residential buildings. The lengths are custom cut to suit roof design and wastages are thus minimized.

With our stringent quality control on the production floor, you are rest assured of a high performance, quality assured and long lasting **K-Structures™ KS 760 D**.

MATERIALS

The **KS 760 D** profile is manufactured using hot-dipped zinc coated or zinc aluminium alloy coated Hi-Tensile colour coated steel sheet that are available in a diverse range of colours.

DIMENSIONS

Profile width

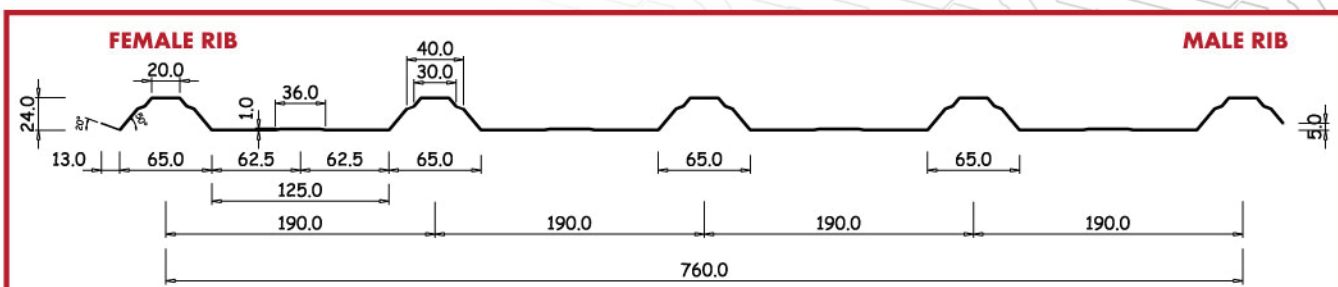
Overall - Nominal 838mm

Effective Cover - Nominal 760mm

Profile height

Nominal - 24mm





TECHNICAL SPECIFICATIONS

Base Material Thickness, BMT (mm)	Self Weight Min.		Yield Strength (MPa)
	kg/m	kg/m ²	
0.35	2.51	3.30	550
0.42	3.01	3.97	550
0.48	3.44	4.53	550
0.60	4.30	5.66	550

MAXIMUM RECOMMENDED SUPPORTS SPACING

Thickness (mm)	ROOF				WALL			
	Single Span (mm)	End Span (mm)	Internal Span (mm)	Cantilever (mm)	Single Span (mm)	End Span (mm)	Internal Span (mm)	Cantilever (mm)
0.35	1200	1500	2000	125	1300	1600	2100	150
0.42	1300	1600	2200	150	1400	1700	2300	150
0.48	1400	1700	2300	200	1500	1800	2400	200
0.60	1550	2000	2500	200	1600	2000	2600	200

- Fasteners are assumed to be secured at every rib of sheeting at the support area.
- The roof sheeting is based on 75kg/m² serviceability load.
- The wall cladding is based on 40 m/s wind speed design.
- Maximum deflection for Span = Span/200
- Maximum deflection for Cantilever = Cantilever/180

ROOF PITCH

The minimum recommended roof pitch required for the **KS 760 D** profile is 3°. The maximum roof length allowed for a single pitch roof with an average rainfall intensity of 250mm/hr (suitable for Malaysian climate) is 25m. Please refer to the table below for reference.

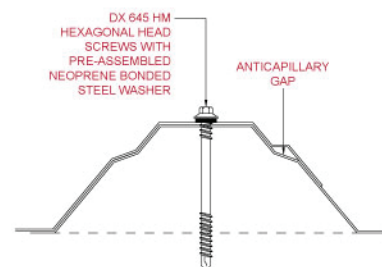
RECOMMENDED MAXIMUM ROOF LENGTH (M)

Rainfall Intensity (mm/hr)	Roof		Pitch	
	3°	5°	7°	10°
150	45	60	80	90
200	35	45	55	65
250	25	35	45	55
300	20	30	40	50

INSTALLATION METHOD

It is always advisable to lay sheets with side laps facing away from the direction of the prevailing wind. The female rib shall always be placed above the male rib of the previous sheet. Fasteners used shall be self-drilling Hexagon Head screws with bonded neoprene washers. Should end laps be required, a minimum length of 200mm is necessary for roof pitches below 5°. All end laps shall be treated with an appropriate sealant to ensure water-tightness.

It is necessary to turn up the edges at the end of the roof sheets at the tray areas between the crests. This will prevent water from being driven in by wind or capillary action into the building.



Manufactured & Distributed by:

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