

**COMMITTED TO  
EXCELLENCE**



## PIONEERS IN PRE-ENGINEERED BUILDINGS & STEEL STRUCTURES

- Established in 1976 - A group company of Alghanim Industries - Kuwait.
- Strong, leak-proof & cost effective sheeting profiles.
- Designs enable easier installation and maintenance
- Market leader in the Pre-Engineered Steel Buildings (PEB) segment - Executed over 65,000 landmark projects globally.
- Visually appealing finish - Available in various colors.
- Support thicker layers of insulation.

## Kirby Standard Colors

Kirby offers a wide range of top coats including polyester, silicone modified polyester and Polyvinylidene fluoride (PVF2) in six standard colour options. We can support requirements for RAL colours on request.



Arctic White



Autumn Green



Sun Gold



Desert Beige



Caribbean Blue



Galvalume/AluZinc

## Insulated Sandwich Panels

Kirby offers four types of strong, versatile, and cost effective polyurethane insulated panels for efficient modular construction of roofing, exterior walls, and internal partitions. The injected polyurethane has a thermal conductivity of 0.022 W/m.K and average density of 40kg.m<sup>3</sup>.



**KRIP**

Kirby Roof Insulated Panels (KRIP) use the Kirby Roof cladding profile for a durable, low maintenance and weather-tight roofing system.



**KWIP**

Kirby Wall Insulated Panels (KWIP) use the Kirby Wall cladding profile for a speedy and cost - efficient solution for external walls where higher insulation performance is required.



**KCIP**

Kirby Concealed Fastener Insulated Panels (KCIP) use the Kirby Concealed Fastener profile as a solution for interior partitions where very low heat transmission value and high strength to weight ratio is required.

Panels can be specially ordered to meet a wide range of base metal specification, coating, finish, colour and thickness.

### AVAILABILITY CHART

Kirby Cladding Systems	Steel							Aluminum						
	Arctic White	Caribbean Blue	Desert Beige	Sun Gold	Autumn Green	Galvalum / AluZinc	Standard RAL Colors	Arctic White	Caribbean Blue	Desert Beige	Sun Gold	Autumn Green	Aluminum Plain	Standard RAL Colors
Kirby Roof (KR)	■	■	■	■	■	■	○	■	■	■	■	■	■	○
Kirby Wall	■	■	■	■	■	■	○	■	■	■	■	■	■	○
Kirby Cladding Systems ( UAE Code)	■	■	■	■	■	■	○	■	■	■	■	■	■	○
Kirby Concealed Fastener	■	■	■	■	■	■	○	○	○	○	○	○	○	○
Kirby Deck	□	□	□	□	□	■	□	□	□	□	□	□	□	□

### Kirby Sandwich Panel Thickness and Availability Chart

Kirby Sandwich Panel Thickness and Availability Chart	THICKNESS(MM)										Availability
	40	50	60	65	75	90	100	125	150		
Kirby Roof (KR)	■	■	■	○	■	○	■	○	○	■ Available	
Kirby Wall	■	■	○	■	■	○	□	○	○		
Kirby Cladding Systems ( UAE Code)	■	■	■	□	■	■	■	□	□	□ Not Available	
Kirby Concealed Fastener	○	■	■	○	■	○	■	○	○		

# SHEETING

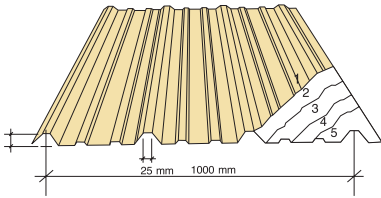
## Panel Profiles

Kirby offers various types of affordable, durable & easy to install cladding panels to enhance the visual appearance of our customers buildings.

Kirby standard steel panel are 0.5 mm or 0.6 mm thick and have minimum yield strength of 345MPa. Steel panels are hot dipped and galvanized with zinc or zinc - aluminium coating. Galvanized materials conform to G90 for 275 grams per square metre according to ASTM A653. Zinc -Aluminium coated materials conform to AZ150 according to ASTM A792.

Kirby standard aluminium panels are 0.5mm or 0.7mm thick, have a minimum yield strength of 145MPa, according to ASTM 8 209M (alloy 3105 temper H16). Other materials and thicknesses are available on request.

Kirby panels are prepared with a multilayered coating system to ensure long life and optimum coating adherence. The base material is pre-treated, before applying a corrosion resistant primer and top coat. The combined thickness of the painted film is 25 microns on the front side and 12 microns on the reverse side.



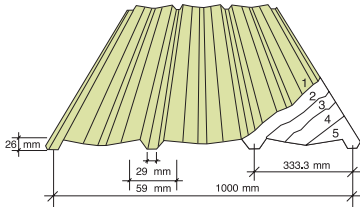
### Kirby Roof (KR)

Kirby RIB profile is strong and cost effective and was developed specifically for roofing applications. The bearing leg design permits easier installation and maintenance, support thicker layers of insulation and allows easier curvature for a visually appealing finish.

**Coverage Area: 1000mm**

**Rib Depth: 32mm**

Kirby RIB profile is also available as an Insulated panel (KRIP) in thickness from 40mm to 150mm.



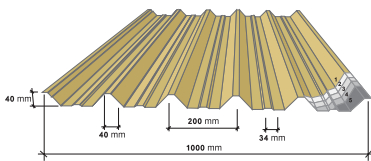
### Kirby Wall (KW)

Kirby Wall is a cost effective, partially concealed fastener with a sculptured valley shape between the major ribs for a superior architectural look for external walls.

**Coverage Area: 1000mm**

**Rib Depth: 26mm**

Kirby Wall profile is also available as an Insulated panel (KWIP) in thickness from 40mm to 150mm.



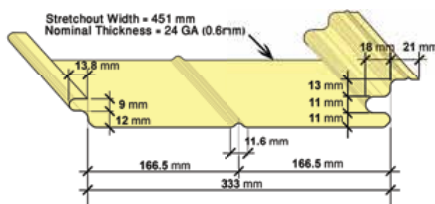
### Kirby Cladding Systems (KCS)

KCS profile offers extra strong resistance to wind and gravitational loads and can be used for roofing, wall and decking applications. KCS was developed by Kirby specifically to meet more stringent load requirements.

**Coverage Area: 1000mm**

**Rib Depth: 40mm**

Kirby Cladding Systems profile is also available as an Insulated panel in thickness from 40mm to 100mm.

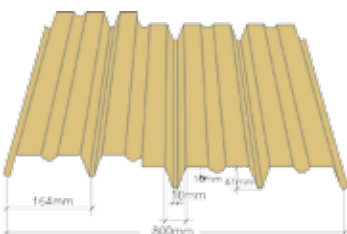


### Kirby Concealed Fastener (KCF)

Kirby Concealed Fastener cladding is used for exterior wall cladding, internal wall cladding and roof liners. The profile features interlocking tongue and groove joints that offer an attractive architectural look with a flat finish and no visible fasteners.

**Coverage Area: 1000mm**

Kirby Concealed Fastener profile is also available as an Insulated panel (KCIP) in thickness from 40mm to 150mm.



### Kirby Deck

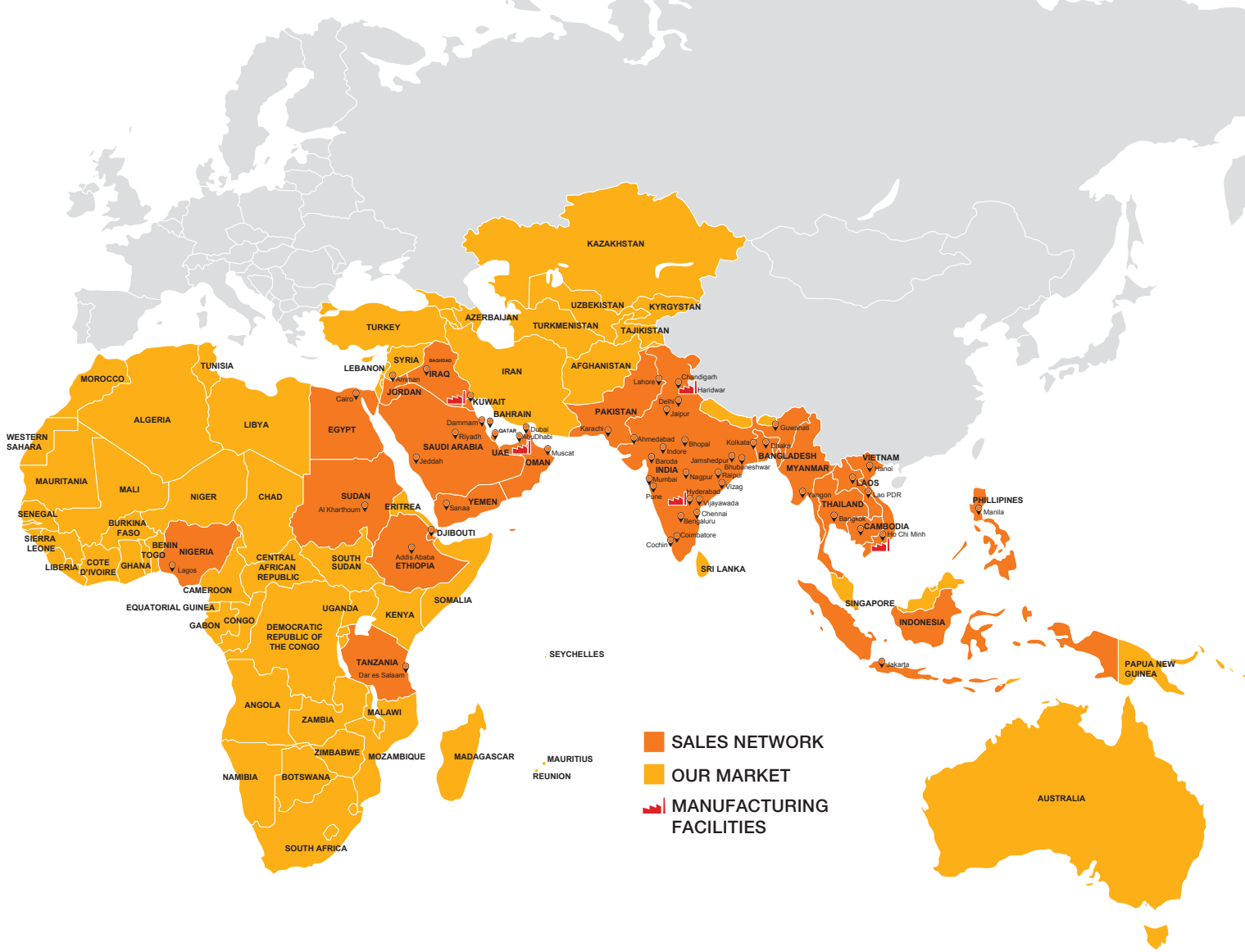
Kirby Deck is an ultra strong profile designed as a permanent shuttering to support wet concrete used in decking applications. The profile provides a stable and rigid working platform that removes the need for additional framework to support concrete.

**Coverage Area: 820mm**

**Rib Depth: 41mm**

**Coverage Area: 1000mm**

**Rib Depth: 40mm**



[www.kirbyinternational.com](http://www.kirbyinternational.com)

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