

**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.

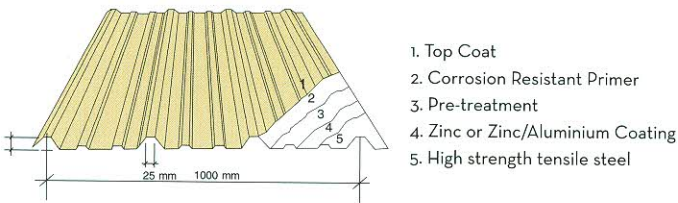


# SHEETING

## Panel Profiles

Kirby standard steel panels are available in 26 or 24 gauge thickness and have a minimum yield strength of 550 MPa. 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.

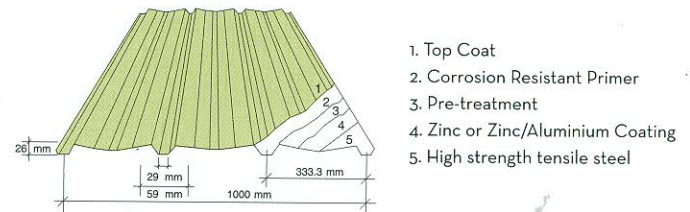
Kirby panels are prepared with a multilayered coating system to ensure long life and optimum coating adherence. The base material is pretreated, before applying a corrosion resistant primer and top coat. The combined thickness of the painted film is 25 microns on the front side and 12 microns on the 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, supports thicker layers of insulation and allows easier curvature for a visually appealing finish.

**Coverage Area : 1000mm**  
**Rib Depth : 32mm**



### Kirby Wall (KW)

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

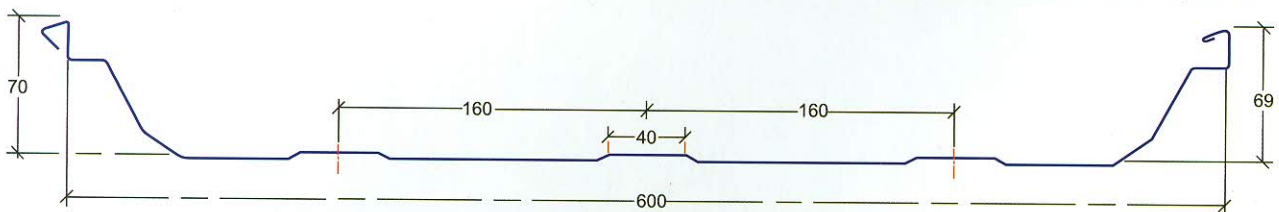
**Coverage Area : 1000mm**  
**Rib Depth : 26mm**

## KIRBY STANDING SEAM (KSS-600)



Kirby Standing Seam Roofing System (KSS-600) is available in 24 or 26 gauge thickness with yield strength of 345 MPa. It consists of double lock standing seam ends with full 360° locking system and is 100% leak proof. KSS-600 eliminates the risk of leakage at fasteners, side and end laps due to concealed fastening system and provides excellent protection in all weather conditions with virtually maintenance free performance for many years. This roofing system is certified with the prestigious Factory Mutual Approval (FM Approval) from USA. The FM Approval certification is issued for high product quality and reliability of this roofing system.

These sheets are available in long lengths, far beyond transportable lengths due to feasibility of site rolling. KSS-600 has excellent geometrical properties due to high profile depth and intermediate stiffening ribs which enables to provide span of more than 2 meters. This roofing is installed in a short span of time with the help of very compact and heavy duty portable seaming machine as per the site requirement.





## 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



Cottage Green



Autumn Green



Tile Red



Desert Beige



Traffic Blue (RAL 5017)



Sky Blue (RAL 5012)



Caribbean Blue

## Sandwich Panels

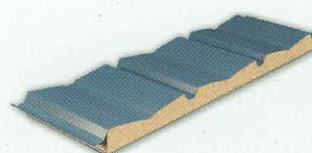
Kirby offers four types of strong, versatile, and cost effective sandwich panels for efficient modular construction of roofing, exterior walls, and internal partitions. The injected polyurethane has a thermal conductivity of 0.022 W/m.K and average density of 40kg.m<sup>3</sup>.

### KRIP



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

### KWIP

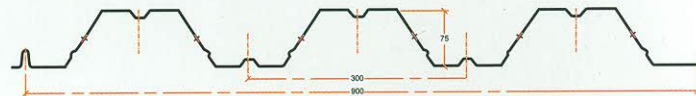


Kirby Wall Insulated Panels (KWIP) use the Kirby Wall cladding profile for a speedy and cost - efficient solution for external walls where higher insulation performance is required.

## Kirby Composite Deep Deck Panels (KCD54/KCD75)



KD-54 PANEL



KD-75 Panel

## Deck Panels

Profile steel decking brings greater economy and freedom in design of intermediate floors, both as permanent shuttering and composite concrete floors / composite beams with excellent composite performance. The deck panels are roll formed from hot dip galvanized coils of 345 Mpa, with thickness starting from 0.6 mm to 1.2 mm. These panels are available in 54 mm and 75 mm depth with span of 975 mm for KCD54 and 900 mm for KCD75 resulting in lesser overlaps. Some of the applications are high rise buildings - residential / commercial, power plants, offices, mezzanine floors in industrial buildings and warehouses.

Deep deck when used only as permanent shuttering saves up to 15% of steel and when used as composite floors saves up to 25% of steel in comparison to normal decking. Deep deck when used as a composite slab / beams helps in reducing the overall thickness of the floor thereby reducing the height of the high rise building. They can be designed for upto 1.5 to 2 hrs of fire rating when used in composite floors.

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

Kirby Profiles		Steel							
		Arctic White	Cottage Green	Autumn Green	Tile Red	Desert Beige	Caribbean Blue	Traffic Blue (RAL5017)	Sky Blue (RAL5012)
Kirby Roof (KR)		Available	Available	Available	Available	Available	Available	Available	Available
Kirby Wall (KW)		Available	Available	Available	Available	Available	Available	Available	Available

Available

Kirby Sandwich Panels are available from 40mm to 120mm thickness for both roof and wall for above colours on request





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

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#### **Middle East & Africa Corporate Office & Kuwait Plant**

Kirby Building Systems-Kuwait  
P.O.Box 23933, Safat 13100  
Kuwait

Tel.: (965) 23262800  
Fax: (965) 2326 1793/8  
Email: [kirbymarketing@alghanim.com](mailto:kirbymarketing@alghanim.com)

#### **Ras Al Khaimah Manufacturing Plant, UAE**

Kirby Building Systems - UAE LLC,  
Al Jazeera Industrial Area II,  
Behind RAK Ceramics,  
PO Box No. 6624,  
Ras Al Khaimah, UAE.

Tel.: +971 7204 3333  
Fax: +971 7244 7830  
Email: [kirbyrak@alghanim.com](mailto:kirbyrak@alghanim.com)

#### **India Corporate Office & Hyderabad Plant**

Kirby Building Systems India Pvt. Ltd.  
Plot No 8-15, IDA Phase III,  
Pashamlaram, Medak Dist. - 502 307  
Telangana, India

Tel.: +91 8455 224401 / 02 / 03 / 04  
Fax: +91 8455 224419 / 27  
Email: [kirby@kirby-india.com](mailto:kirby@kirby-india.com)

#### **Haridwar Plant, India**

Kirby Building Systems India (Uttaranchal)  
Pvt. Ltd.  
Plot No 2, Sector 11,  
Integrated Industrial Estate,  
Haridwar, Uttarakhand - 249403, India

Tel.: +91 1334 235317, 235318, 235319  
Fax: +91 1334 235314, 235397  
Email: [kirby@kirby-india.com](mailto:kirby@kirby-india.com)

#### **Southeast Asia Corporate Office & Vietnam Plant**

Kirby Building Systems Southeast Co Ltd  
7th Floor, SPT Building, 199 Dien Bien Phu,  
Ward 15, Binh Thanh District,  
Hochiminh City, Vietnam

Tel.: +84 5422 1155  
Fax: +84 5422 1156  
Email: [sales@kirby.vn](mailto:sales@kirby.vn)

Kirby is a wholly owned subsidiary of  
Alghanim Industries



Alghanim Industries,  
P.O. Box 223, Safat,  
Kuwait 13003