

# STARLOCK W-RIB 110



**Strong**  
**Durable**  
**Versatile**

*STARLOCK W-RIB 110 specially-designed high rib profile, concealed fastening system and electrical seaming ensure the total waterproof protection of buildings with the strictest requirements. Well secured panels using the S-hook lock system at side lapping connection avoids snapping of panels from the bracket. Easy to lift and install even at longer lengths.*

- AKZO NOBEL advanced durable paint systems make STARLOCK W-RIB 110 last longer than any longspan roofing.
- Best roofing choice for roof panel lengths of more than 50 meters.
- No piercing of sheets greatly reduces possibility of leaks and rust formation around screws.
- Highest rib design enables its use on roofs with a slope as low as 2 degrees.
- Can be roll-formed at site with sheet lengths of up to 65 meters.

STARLOCK W-RIB 110 BRACKET



# STARLOCK W-RIB 110

## ROOFING SYSTEM

### PAINT SPECIFICATIONS

FLEXIKOTE® 1000 (5 yrs. color retention warranty)

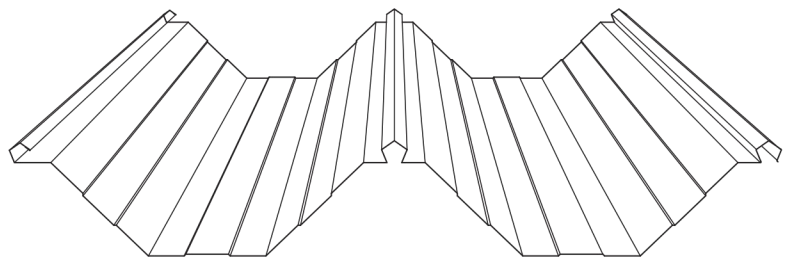
### SPECIFIED PARAMETERS

Physical properties of the coating:

Film Thickness (ASTM D1005)	5 - 7 microns for primer 15 - 20 microns for FLEXIKOTE® 1000
Specular Gloss (ASTM D523)	25 - 80%
Hardness (ASTM D3363)	F minimum - Faber Castell Pencil
Cross-Hatch Adhesion (ASTM D3359)	No removal
Bend Adhesion (ASTM D4145)	No loss of adhesion
Humidity Resistance (ASTM D2247)	1000 hours: Pass - actual performance varies with pretreatment and substrate.
Salt Spray Resistance (ASTM B117)	1000 hours: Pass - actual performance varies with pretreatment and substrate.
Weatherometer Test (ASTM D822)	2000 hours; No checking, blistering or adhesion loss
Color Change (ASTM D2244)	For a period of 5 years delta E not exceed: 8 units - light colour 10 units - intermediate colour 15 units - dark colour
Chalking Resistance (ASTM D4214, Method A)	No chalking greater than #8.
Exterior Weathering (ASTM D4141)	Very Good exterior performance in Alungga and South Florida test exposures.

### PRODUCT COMPOSITION

FLEXIKOTE® 1000 colors are made from high quality weather resistant pigments in a wide range of colors. ISO 9001 certified Akzo Nobel manufacturing methods used in our Columbus, Ohio headquarters facility, uniformly distribute pigments into a proprietary polyester resin that has proven, under years of harsh 45°C South Florida exposure, to resist changes in color and general appearance, and to preserve film integrity and coating properties.



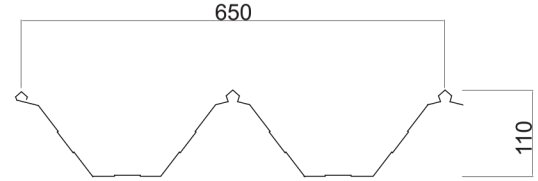
Material Width = 915 mm

Thickness = 0.50 mm, 0.60 mm and 0.80 mm

Effective Coverage = 650 mm

Rib Height = 110 mm

### SECTION PROPERTIES



Base Metal	Cold rolled high grade steel.
Zinc-Aluminum Coating	Lock forming quality galvanizing that meets ASTM, JIS and PNS Quality Standard.
Color Coating	AKZO NOBEL propriety high durable FLEXIKOTE® 1000 paint system that surpass 2000 hours salt-spray-test (5 years color retention warranty). Also available in FLEXIKOTE® 5000 (10yrs), SILKOTE® (15yrs), TRINAR® (25yrs)
Total Coated Thickness	Available in 0.50mm, 0.60mm & 0.80mm
Roof Pitch	Minimum of 2° roof slope.
Length	Can be supplied in any length up to transportable limits.
Application	Ideal for Commercial and Industrial roofing with minimal roof slope.

**Available Colors:** Autumn Red, Atlantic Blue, Excel Blue, Ever Green, Orchard Peach, Excel White, Italian Beige, Excel Terracotta, Mahogany Brown. Special colors available upon request.

### SECTION PROPERTIES PER PANEL

T (mm)	As mm <sup>2</sup>	Ycg mm	Ix mm <sup>4</sup>	St mm <sup>3</sup>	Sb mm <sup>3</sup>
.50	457.5	67.50	728209	10788	17134
.60	549	68.30	873850	12794	20956
.80	732	69.50	1165133	16765	28769

### MAXIMUM ALLOWABLE SUPER IMPOSED LOAD (KPa) DUE TO L/240 DEFLECTION LIMIT

T mm	SPAN IN METERS						
	.50	.60	0.70	0.80	1.00	1.20	1.40
.50	38.0	26.4	19.4	14.8	7.8	6.6	4.8
.60	45.0	31.3	23.0	17.5	9.3	7.8	5.7
.80	58.5	40.7	29.9	22.7	12	10.1	7.4

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