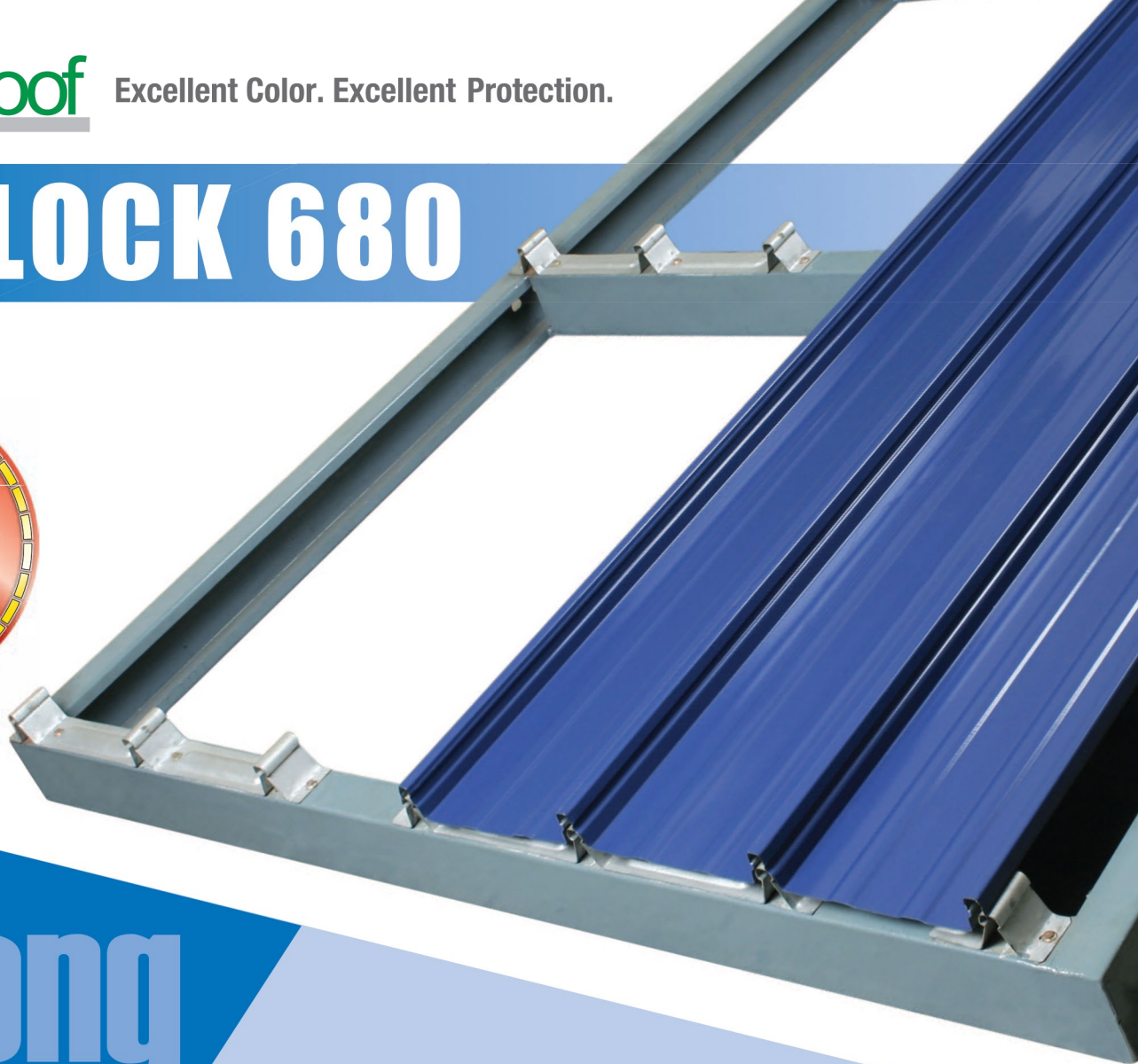




Excellent Color. Excellent Protection.

STARLOCK 680



Strong Durable Versatile

STARLOCK strong, durable and versatile long length roof and wall cladding. It combines the strength of steel, with smart fluted pans and a lock-action rib design which, together with concealed fastening, enables its use on many applications from low pitched roofs to vertical or as horizontal ribbed walling.

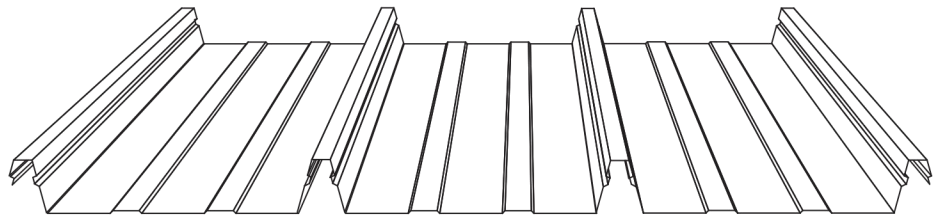
- AKZO NOBEL advanced durable paint systems make STARLOCK last longer than any longspan roofing.
- No piercing of sheets greatly reduces possibility of leaks and rust formation around screws.
- Concealed fastening hides screw heads.
- Available in 0.50 and 0.60 mm.
- Available in a wide range of modern colors.



STARLOCK
CONCEALED
FASTENER

STARLOCK 680

ROOFING SYSTEM



Material Width : 915 mm
Thickness = 0.50 - 0.60 mm

Effective Coverage = 680 mm
Rib Height = 40 mm



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.

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 0.50 & 0.60 mm.
Roof Pitch	Minimum of 2° roof slope.
Length	Can be supplied in any length up to transportable limits.
Application	Ideal for Industrial and Residential 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 ²	Ycg mm	Ix mm ⁴	St mm ³	Sb mm ³
.50	457.5	31.80	76283	2398	9303
.60	549	31.88	91540	2872	11273

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	33.4	19.3	12.2	8.2	4.2	2.4	1.6
.60	40.0	23.2	14.6	9.8	5.0	2.9	1.8

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.

EXCELROOF STARLOCK IS RE-ENGINEERED TO ENSURE MAXIMUM PERFORMANCE AGAINST WORST WEATHER CONDITION, MODIFIED TO MEET UNPREDICTABLE WIND GUST

