

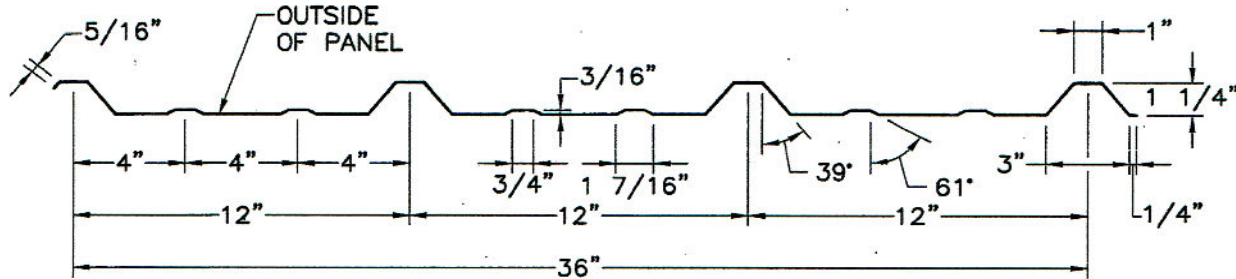


"Built to Last"

6310 188th St NE
Arlington, WA 98223

OFFICE: (360) 403-4900
Contractor's License: HCISTSB864DE

General Contractor of Pre-Engineered Steel Buildings and Steel Building Components



HUSKY HI-RIB PANEL

Husky Hi-Rib provides a tough durable wall or roof panel that covers 36". It is composed of four major ribs 12" on center and 1 1/4" high. The higher rib provides the extra strength that is needed for longer spans on industrial jobs while creating an attractive, clean appearance. Husky Hi-Rib is available in 26 ga., 24 ga., and 22 ga., in pre-painted, or bare galvanized steel. All galvanized material has a G90 coating (0.90 oz. per square foot) conforming to ASTM A 653-98 SS Grade 50 (50 ksi minimum yield strength) or a galvalume coating conforming to ASTM A 792-97a SS grade SOB (50 ksi minimum yield strength). The paint coating on Husky Hi-Rib is available in either a baked-on silicone modified polyester (SMP) finish or a Kynar finish with a twenty-year performance rating.

Husky Hi-Rib Specifications: Approved Manufacturers
HCI Steel Buildings, LLC ~ (360) 403-4900
Arlington, WA

MATERIALS

• Panels

- ◇ Base Metal: Steel, ASTM A653-98 SS or ASTM A792-97a SS
- ◇ Grade: SO
- ◇ Minimum yield strength: 50,000 psi Standard thickness: 26 ga.
- ◇ Optional thickness: 24 Ga. or 22 Ga. Protective coatings:
Hot Dip Galvanized G90, or Galvalume AZSO

- **Description/ configuration:** Ribbed pattern, rib spacing 12" o.c. Rib height 1 1/4", nominal panel width 36 inches. Length of panel specified on plans.
- **Husky Hi-Rib** is custom cut to any length. 40-foot lengths are normal and longer lengths may be provided if transportation and site handling facilities permit. Contact manufacturer for additional information.

• Exterior/Interior Finish:

- ◇ Topside finish:
- ◇ Primer (dry) = 0.20 to 0.25 mu.
- ◇ Topcoat (dry) = 0.7 to 0.9 mu.
- ◇ Reverse side finish:
- ◇ Primer (dry) = 0.15 to 0.25 mu.
- ◇ Pigmented polyester backer (dry) = 0.35 to 0.45 mu.
- ◇ Total DFT for system
- ◇ = 0.90 to 1.15 mils.

All measurements per NCCA Technical Bulletin 11-4 or ASTM D 1005-84 (1990).

Color as selected from manufacturer's standard color selection. Custom colors available for quantity orders. Contact manufacturer for details.

- **Flashing:** Flashing will typically be the same material type and finish as roof & wall panel. The temper may be reduced to facilitate forming. Minimum thickness to be the same as roof panel. Do not use lead or copper.

INSTALLATION

- Husky Hi-Rib steel roofing panels install easily and economically. Manufacturer will provide complete instructions for care of materials and step-by-step installation procedures.

COLOR SELECTION AND PAINT FINISHES FOR HUSKY HI-RIB PANELS

Husky Hi-Rib panels are available in your choice of standard colors. Custom colors are available on request.

Standard colors available: Winter White, Malibu White, Beige, Tahoe Blue, Forest Green, Roman Bronze, and Old Towne Gray.

Note: Colors subject to change without notice. Color selection should be made from current product samples.

STANDARD FINISHES

SMP (SILICONE MODIFIED POLYESTER)

A high quality paint system that combines durability and flexibility, with excellent value.

TECHNICAL DATA:

- ◇ Topside finish: Primer (dry)=0.20 to 0.25 mil.
 - ◇ Topcoat (dry)=0.7 to 0.9 mil.
 - ◇ Reverse side finish: Primer (dry)=0.15 to 0.25 mil. Off-white polyester backer (dry)=0.35 to 0.45 mil. Total DFT for system =0.90 to 1.15 mils.
 - ◇ All measurements per NCCA Technical Bulletin 11-4 or ASTM-D 1005-84 (1990)
1. **Weatherometer:** No checking, blistering or adhesion loss of external coating system after 2000 hours of accelerated weathering testing, per ASTM D 822-89/G 23-93.
 2. **Salt Spray:** Salt Spray Resistance – Samples diagonally scored and subjected to 5% neutral salt spray per ASTM B 117-90, then taped with cellophane tape: 1000 hours-no blistering, and no loss of adhesion greater than 1/8" from score line. Samples taped one hour after removal from test cabinet.
 3. **Humidity resistance:** No blistering, cracking, peeling, loss of gloss or softening of the finish after 1000 hours of exposure to 100% humidity at 100°F ± 5°F. Federal Test Method Standard 141, Method 6201 or ASTM 0 2247-92.
 4. **Abrasion resistance:**
 - a. The Taber Wear Factor must be 80.0 or less.
 - b. Coating systems shall withstand a minimum of 30 liters of falling sand before appearance of base metal per ASTM D-968.
 5. **Formability:** Per ASTM D 1145-83 (1990), slight micro-cracking of finish and no loss of adhesion when taped with Scotch #610 cellophane tape when subjected to a 2T diameter 1800 bend test on 0.017 G-90 (grade D) galvanized steel or fabricator's roll-forming operation. (Not to include Zinc failures.) Per ASTM 0 522-93, an 1/8' mandrel bend may also be used to evaluate flexibility, with the same results in flexibility and adhesion.

Kynar Optional Finish

PVF 2 (POLYVINYLIDENE FLUORIDE)

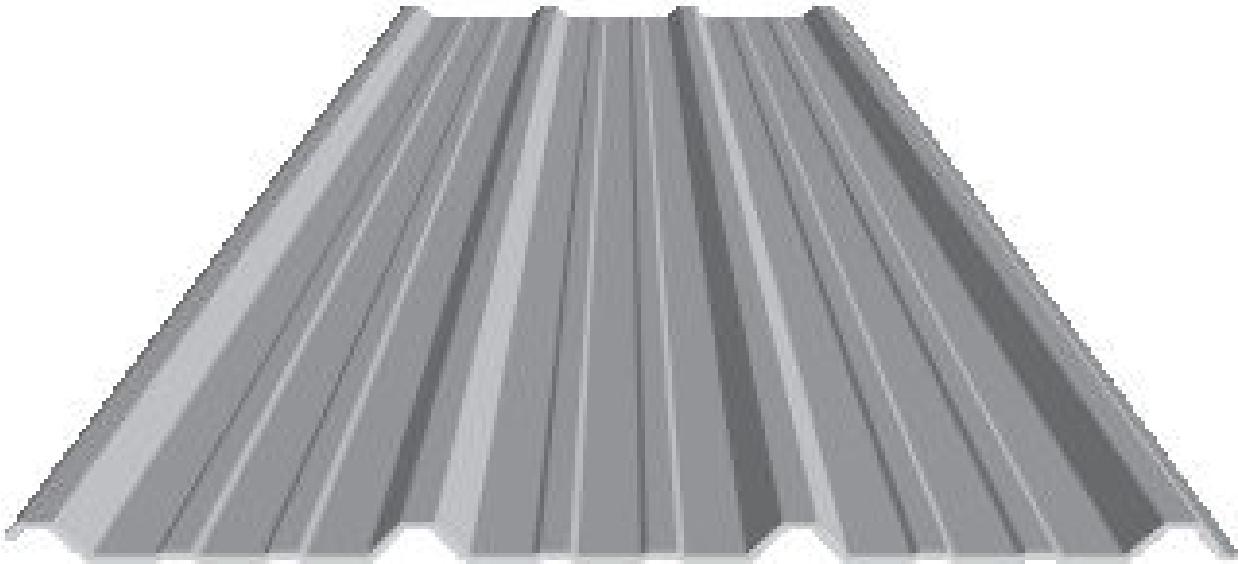
The Husky Hi-Rib's premium paint system, Kynar 500 (70%) resins provides the ultimate resistance to color change and chalking. The PVF2 also offers excellent resistance to weathering, abrasion, and most chemicals and solvents.

TECHNICAL DATA:

- ◇ Topside finish: Primer (dry)= 0.20 to 0.25 mil.
 - ◇ Topcoat (dry)= 0.7 to 0.9 mil.
 - ◇ Reverse side finish: Primer (dry)= 0.15 to 0.25 mil.
 - ◇ Off-white polyester backer (dry)= 0.35 to 0.45 mil.
 - ◇ Total DFT for system = 0.90 to 1.15 mils. All measurements per NCCA Technical Bulletin II or ASTM D 1005-84(1990)
1. **Weatherometer:** No checking, blistering or adhesion loss of coating system after 3000 hours of accelerated weathering, per ASTM D 822-23, Method II.
 2. **Chalking:** No chalking greater than #8 rating per ASTM D 4214, Method A, after a 3000-hour weatherometer test.
 3. **Fading:** Finish coat color change not to exceed 2 NBS units per ASTM 0 2244 test procedure, after 3000-hour weatherometer test.
 4. **Humidity:** No blistering, cracking, peeling, loss of gloss or softening of the finish after 2000 hours of exposure to 100 % humidity at 100°F ±5F, Per Federal Test Method Standard 141, Method 6201 or ASTM D 2247.
 5. **Salt Spray:** Samples diagonally scored and subject to 5% neutral salt spray per ASTM B 117, then taped with Scotch #610 cellophane tape: 1000 hours- no blistering, and no loss of greater than 1/8" from score line. (Sample taped 1 hour after removal from test cabinet).
 6. **Hardness:** Minimum pencil hardness, using Eagle Turquoise Pencils per NCCA Technical Bulletin 11-12 or ASTM 0 3363 is "HB".
 7. **Formability:** Per ASTM D4145 (1990) no loss of adhesion when taped with Scotch #610 cellophane tape after being subjected to a 1 T diameter 1800 bend test on 0.017" G-90 (grade D) galvanized steel of fabricator's roll-forming operation. (Not to include Zinc failures.) Per ASTM D 522, an 1/8" mandrel bend may also be used to evaluate flexibility, with the same results in flexibility and adhesion.
 8. **Abrasion resistance:** Coating system shall withstand a minimum of 60 liters/mil. of falling sand before appearance of base metal per ASTM D 968.

Warranty

Warranties regarding chalking, fading, and film integrity for Husky Hi-Rib finishes are available depending upon paint type. Warranty terms, however, can be affected by factors such as environment and particular product application. Specific warranty information should be obtained from HCI Steel Buildings, LLC.



Panel Coverage: 36"

Rib Height: 1 -1/4"

Rib Features: Trapezoidal rib on 12" centers

Standard Gauge(s): 26 ga.29 ga.

Optional Gauge(s): 22 ga.

PBR panels are versatile panels. They are used in a wide variety of applications and are suited for open framing support conditions, as well as a solid substrate.

Available Substrate(s): Open FramingSolid Substrate

Fastener(s): Exposed Fastened

Standard Finish(es): PVDF (Kynar 500®)MS Colorfast45®Acrylic Coated Galvalume®

Minimum Slope Requirement: 1:12