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BuyLine 7972

Stay-Form stay-in-place concrete form



bulkheads



pile caps



tunnels



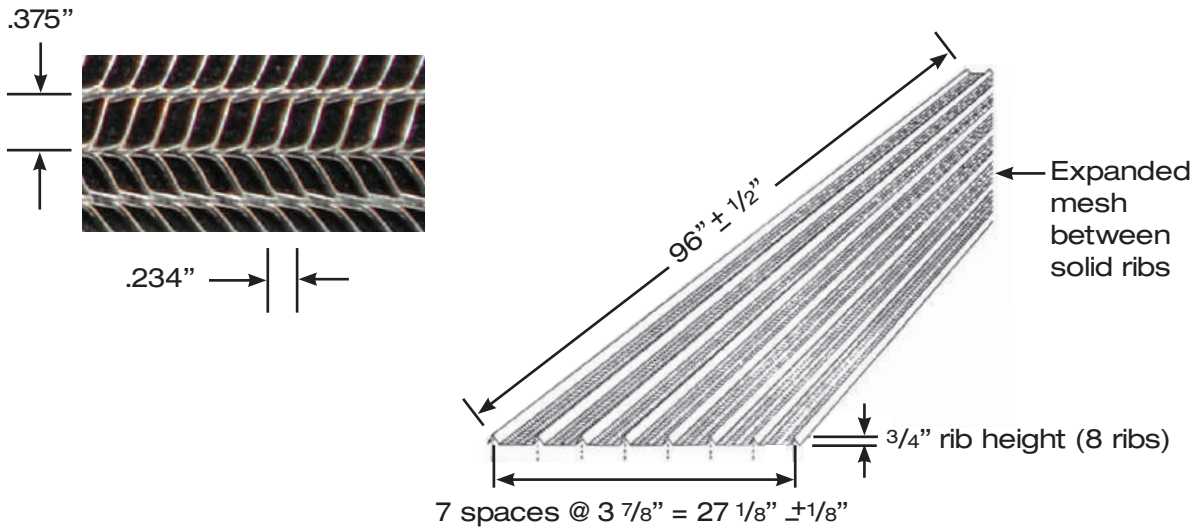
bridge bulkheads

PRODUCT INFORMATION

Stay-Form is made from hot-dipped galvanized sheet steel per ASTM-A525

STAY-FORM	#66 - 26 GAUGE
Weight	11.9 lbs. per sheet (18 sq. ft. per sheet)
V-Ribs	3/4" deep and 3 7/8" on center
Sheet size	27" wide x 96" long*
Pallet	250 sheets per pallet (4500 sq. ft.)
Bundle	5 sheets (90 sq. ft.)

**Also available in 10' and 12' lengths*



APPLICATIONS

Pile caps	Grade beams	Bridges
Blindside walls	Bulkheads	Column pockets
Retaining walls	Keyways	Ductbanks
Footings	Tunnels	Shotcrete/Gunnite

FEATURES & BENEFITS

- Reduced labor cost—no stripping costs (bracing only)
- Lightweight sheets are easy to work with (install, cut, bend, etc.)
- Easy rebar and conduit penetrations
- Visual inspection of concrete pour and consolidation
- Retains surrounding soil while forming below grade structures
- Permits water to run out of formwork during concrete pour

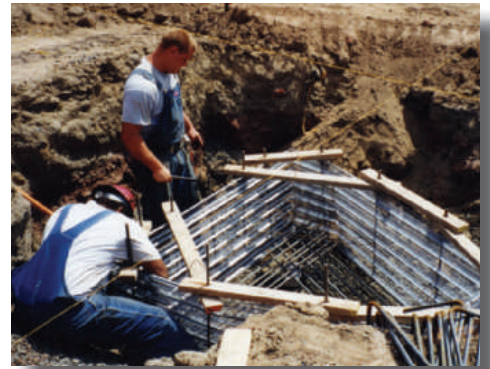


See back page for more details

TYPICAL PILE CAP APPLICATION

When forming below grade structures like a pile cap, Stay-Form can save a considerable amount of labor. You have no labor for stripping forms. If rebar or metal is used for bracing, it stays in place. (Wood bracing has to be removed.) Some contractors backfill around the Stay-form prior to the pour therefore they minimize bracing.

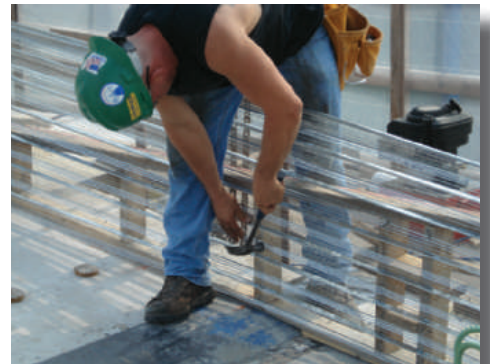
- Contractors can cut the V ribs in order to bend the sheets to any geometry.
- During the concrete pour any water in the form will run out of the Stay-form as it is displaced by the concrete (no pumping it out).
- Concrete finish is not a concern since backfill or a slab-on-grade concrete pour is a typical design with a pile cap foundation.



TYPICAL BULKHEAD APPLICATION

Stay-Form is an excellent product for forming bulkheads because it does not have to be stripped out after the concrete pour. (Plywood and modular forms have to be stripped.) There is also no scabbling required in order to prepare the surface for the next pour.

- Rebar or metal fabricated bracings are left in the pour – no stripping required
- The sheets are lightweight and can easily be bent to form a keyway.
- Stay-Form can be cut in order to accommodate any rebar or conduit penetrations.
- Visual inspection of the concrete consolidation is also accomplished due to the open herring bone mesh.
- Stay-Form provides greater shear bond strengths due to the open mesh and the V ribs (or “mini-keyways”).



TEST DATA

Physical properties of Stay-Form

DESCRIPTION	STANDARD GRADE #66
Gauge thickness	26
Galvanized Sheet Thickness*	0.0217 in. (0.5512mm)
Final Sheet Dimensions	96 x 27 in. (675 x 2425mm)
Weight	0.66 lbs/ft ² (3.22 kg/m ²)
Effective Cross-Sectional Area of One Sheet	0.2614 in. ² (168.62mm ²)
Flexural Rigidity (EI)	176 kip.in. ² (504634 kN.mm ²)
Moment of Inertia (I)	0.0081 in. ⁴ (3357 mm ⁴)
Yield Strength	27.63 ksi (190.50 MPa)
Yield Strain	0.00297
Ultimate Strength	50.28 ksi (346.68 MPa)
Ultimate Strain	0.25
Modulus of Elasticity (E)	29,500 ksi (203,400 MPa)

**Based on Cold-Formed Design Manual (2002) and Steel Products Manual (1999)*

INSTALLATION NOTES

The AMICO rule of thumb is to “brace Stay-Form like you would a piece of plywood.” The use of rebar, strongbacks, walers, kickers, etc. (location, size and spacing) is similar to that for conventional forming methods per ACI 347, Guide to Formwork for Concrete.

NOTES:

- 4”-6” minimum lap between running Stay-Form sheets
- 2-rib minimum lap between stacked Stay-Form sheets
- 16-gauge tie wire every other rib at lap (or as needed)
- Tie wire around rib and bracing is preferred.
- Bracing where sheets lap is also necessary.
- Attach Stay-Form to bracing with wire, staples, roofing nails or similar.
- Notch ribs to make 90 degree turns; ribs face into the concrete pour.
- Cut Stay-Form sheets with a grinder, abrasive blade or tin snips.

QUALITY PRODUCTS – COAST TO COAST



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