BUY AMERICAN ACT COMPLIANT™ CERTIFIED™ B.A.A.C. In Process FI.00AA.0001

AMICO®
BUILDING PRODUCTS

BUY AMERICA MADE IN THE USA

# STAY-FORM®
## CONCRETE FORMING SYSTEM

## STAY-FORM® IS YOUR DATA CENTER PARTNER.

### AMICO: The original manufacturer of STAY-FORM® Beware of Imitators!

- ✔ Speed to completion
- ✔ Saves time and money! Realize labor savings up to 35%
- ✔ No stripping, scabbling or disposal costs
- ✔ Easy rebar and conduit penetrations
- ✔ Permits water to run out of framework during concrete pour
- ✔ Successfully utilized in thousands of projects globally for over 40 years
- ✔ STAY-FORM® is always an American made product.

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STAY-FORM WEB

AMICOBP.COM ♦ 205.902.4924

## PHYSICAL PROPERTIES OF STAY-FORM®

| DESCRIPTION | Standard Grade #66 |
|---|---|
| Galvanized Sheet Thickness | 0.0217 in. (0.5512mm) |
| Sheet Dimensions | 27 x 96 in. (686mm x 2438mm) |
| 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) |

This data is based on results from testing conducted by an independent testing lab. For more information on the details of the testing, contact AMICO at 800-366-2642.

Proper concrete mix will not flow through the openings in STAY-FORM®.

- Residual rain water in the form is forced out through the openings in the form.

- During vibration the blossoming of cement through the openings will show the applicator consolidation is complete and affords the removal of any air pockets.
- The surface of the STAY-FORM® after concrete placement is roughened and ready for the next pour. Scabbling or roughening of the exposed surface is not necessary saving valuable time and labor.

## SHEAR BOND STRENGTH (MODIFIED ASTM C482)

STAY-FORM®, when used for bulkheads, outperforms traditional plywood for shear bond strength by as much as 21%

| TEST AGE | B-MATTE TOTAL LOAD | B-MATTE SHEAR BOND STRENGTH | STAY-FORM TOTAL LOAD | STAY-FORM SHEAR BOND STRENGTH |
|---|---|---|---|---|
| 5/6 day | 15,725 lb. | 244.6 psi | 26,700 lb. | 414.9 psi |
| 13/14 day | 12,750 lb. | 200.3 psi | 16,200 lb. | 249.7 psi |
| 27/28 day | 15,200 lb. | 238.9 | 19,525 lb. | 303.9 psi |

- The 5/6 day shear bond test data indicated that the STAY-FORM® #66 test was 41% greater than that of the identically cast test specimen using the B-Matte form board material.
- The 13/14 day shear bond test data indicated that the STAY-FORM® #66 test was 20% greater than that of the identically cast test specimen using the B-Matte form board material.
- The 27/28 day shear bond test data indicated that the STAY-FORM® #66 test was 21% greater than that of the identically cast test specimen using the B-Matte form board material.

**Carlson Testing, Inc.**

## GUIDELINES FOR LOADING & BRACING SPACINGS

### STAY-FORM® #66

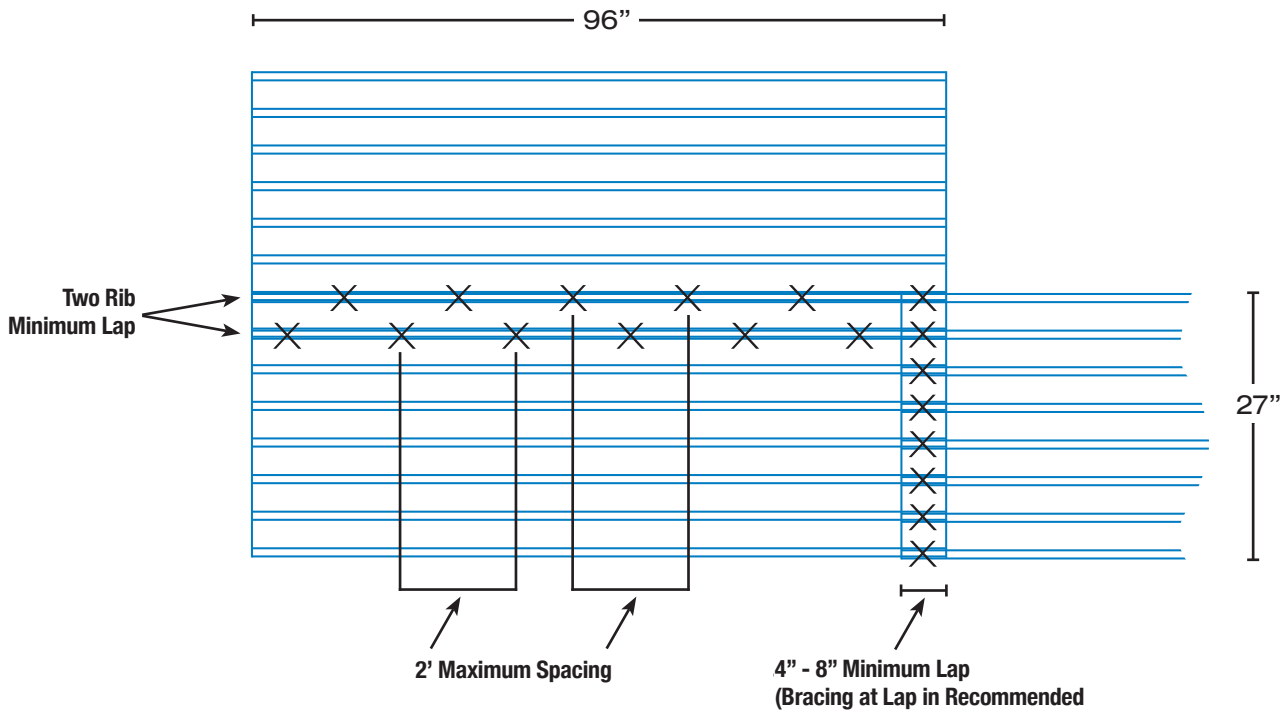
| Bracing Spacing (in. o.c.) | 24” | 18” | 12” |
|---|---|---|---|
| Lateral Loading (psf) | 1200 | 1200 | 1600 |
| Liquid Head (ft.) | 8 | 8 | 10 |
| Pour rate (ft./hour) | 4 | 4 | 7 |
| Maximum Deflection (in.) | 1¼ | ¾ | ⅛ |
| Recommended lap (in.) | 8 | 6 | 4 |
| Recommended ties at lap (both ribs) | 2 | 2 | 1 |

## INSTALLATION RECOMMENDATIONS:

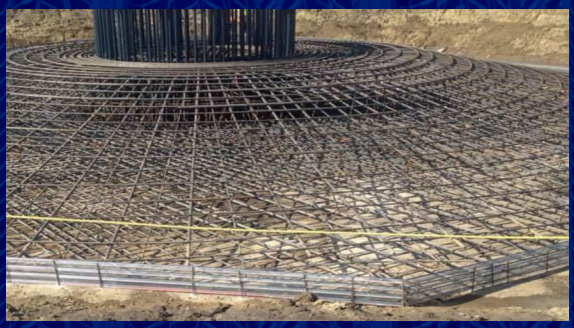
The AMICO rule of thumb is to “brace STAY-FORM® like you would a piece of plywood.” The use of rebar, strongbacks, walers, kickers, etc. (location, size and spacing) is similar to that for conventional forming methods per ACI 347, Guide to Formwork for Concrete.

- The STAY-FORM® ribs face into the concrete pour
- 4”-8” minimum lap between running STAY-FORM® sheets
- 2-rib minimum lap between stacked STAY-FORM® sheets
- Attach STAY-FORM® to bracing with wire, staples, roofing nails or other mechanical fasteners.
- Tie wire around rib and bracing is recommended.
- Bracing where sheets lap is also recommended.
- Cut STAY-FORM® sheets with a hand-held grinder, cutoff saw, abrasive blade or metal snips.
- Notch ribs to bend and make virtually any form shape.

## STAY-FORM® SHEET TIE WIRE LAP DETAIL




**NOTE: X Denotes 16-gauge Tie Wire or Sheet Metal Screws**



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