

Product/Service Information

H-FORMS: A COMPLETE ICF BUILDING SYSTEM FOR BUILDING FREE-STANDING WALLS

The System includes:

- ICF Formwork
- EnerFoam Foam Construction Adhesive/Filler
- Premier Synthetic Stucco
- Premier Synthetic Cementitious Waterproofing
- Fiberglass Stucco Reinforcing Mesh
- H-Clips: Suspending forms for monolithic pour
- Foam Shapes for caps, columns and trim

Structural Engineering: Use your local structural engineer or distributor for a licensed professional:

MATERIAL PROPERTIES:

Material: EPS (Modified Expanded Polystyrene)
 Flame Spread: 25 (ASTM E84)
 Smoke Development: 450 (ASTM E84)
 EPS Density: 1.5 lbs. pcf
 Classification: Type 1
 Note: Expanded Polystyrene does not contain CFCs

PRODUCT PROPERTIES:

Dimensions: 50" long x 10" high x 6" wide
 Area: 3.472 Sq.ft. (Equivalent to 4 CMUs)
 Concrete Cavity width: 4" nominal
 Product weight: 1.45 Pounds
 Number of units in a bundle: 20
 R-Value: R-19.2 (U= 0.052) Do not apply Framing Factor

PRODUCT QUANTITY ESTIMATING

Example of a wall 6' high x 248' long

Forms:

Step 1: 6" x 12 = 72 "/10 = 7 forms high
 Step 2: 248' x 12" = 2976"/50" = 59.52 (60 long)
 Step 3: 60 x 7 = 420 Forms
 (always round up to nearest 20)

Stucco & Mesh:

Step 1: 6' x 248' = 1488 sq.ft.
 Step 2: 1488 x 2 (sides) = 2976 sq.ft.
 Step 3: 6" x 248' = 124 sq.ft. (top of wall)
 Step 4: 6" x 6' x 2 = 24 sq.ft. (ends of wall)
 Step 5: 2976 + 124 + 24 = 3124 Total sq.ft.
 Step 6: 3124/450 = 6.92 (7 rolls Fiberglass Mesh)
 Step 7: 3124/50 x 2 (Coats) = 126 Bags Stucco

H-FORMS: TYPICAL SOUND WALL CONSTRUCTION SPECIFICATIONS*

Height of Wall	8ft.	7ft.	6ft.	5ft.	4ft.	3ft.	2ft.
Depth of Pier	5ft	5ft	4ft	4ft	4ft	4ft	3ft
Diameter of Pier	12"	12"	12"	12"	12"	12"	12"
Distance Between Pier Centers	70"	70"	70"	80"	80"	80"	80"
Pier Vertical Reinforcing Steel	2-#5s	2-#5s	2-#5s	2-#5s	2-#5s	2-#5s	2-#5s
Wall Vertical Reinforcing at Pier	2-#5s	2-#5s	2-#5s	2-#5s	2-#5s	2-#5s	2-#5s
Wall Vert Reinforcing Between Piers	#4s@20"	#4s@20"	#4s@20"	#4s@20"	#4s@20"	#4s@20"	#4s@20"
Wall Horizontal Steel	#4s@20"	#4s@20"	#4s@20"	#4s@20"	#4s@20"	#4s@20"	#4s@20"

* See Sound Wall Construction Specification Sheet for additional details and conditions

NOTE: Design & Engineering Assumptions

1. These specifications are for guidelines only. Consult with your structural engineer for details
2. All #5 Steel to be min. grade 60 and all #4 Steel to be min. grade 40
3. Concrete in piers may be 5 sack, 5/8"—3/4" aggregate. Concrete in ST6 Forms MUST be 3-5/8" pea-gravel grout, min. 6" slump
4. Contractor is advised to use super-plasticizer in grout mix
5. All concrete to have a min. fc of 2500 #
6. All design recommendations are based upon wind load governing and using "Exposure C". All applications of product should be specific to local soils, wind, seismic and other conditions that must be verified by a local licensed professional prior to construction.
7. Owner, contractor or other, is responsible for compliance with all government planning & building codes and permit application
8. Cementitious Coating to be Premier Multi-Bond from your local H-Form System distributor
9. If using Multi-Bond for retaining wall waterproofing, mix with 1 part Liquid Acrylic and 6 parts H2O. Apply Fiberglass Mesh as with stucco
10. Reinforcing Mesh for Cementitious Coating to be 4.3 Oz. Non-Adhesive or 5 Oz self-adhesive fiberglass.
11. Any substitute of materials or products that deviates from the H-Form System will void the Limited Warranty
12. Keep ST6 ICFs stored in a clean, dry place out of the sun. Any oxidization from UV exposure must be thoroughly brushed off and washed

H-Forms

FOR ALL YOUR FREE-STANDING LANDSCAPE WALLS



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