



SECTION 13 POULTRY FLOORING

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Warning!

Poultry flooring is designed to support the weight of chickens. Workers should walk only on supported areas of the flooring.



POULTRY FLOORING GRID/FRAME STYLE

HOW TO ORDER SUPPORT FRAMES - 6' x 9', 6' x 12' and 6' x 14'

- To determine quantity of support frames required:
 - Divide (total length of slats less 6') needed by 8 (6' wide frame + 2' gap between frames; less 6' because End Assembly has no slats for a gap) to determine number of frames needed, add (1) End Assembly per row
 - For example, a 400' length of slats would require 50 support frames (400 divided by 8 = 50). 49 Interior and 1 End of Row Frame plus slats from last rail to a wall ledge or add a Lattice Kit(s).
 - The special End of Row Section with Slat Angles holds slats at both ends where there is no adjacent slat and comes with 1 - 33" angle per 3' of rail/slat with 3 screws or 1 - 22" angle per 2' of rail/slat with 2 screws.
- Note: This kit has 6' not 8' of slats.

ORDER EXAMPLE

Here is a sample order list for a house with 2 slat areas, each 14' wide x 398' long: (Remember to order extra slats for End Section to wall ledge if 400' or Lattice Kits if accessible to hens.)

98 - 6' x 14' Support Frame Interior Assembly with 4 wall mounting brackets per frame

2 - 6' x 14' Support Frame End Assembly with 4 wall mounting brackets, 8 Angle Supports@33", and 2 Angle Supports@ 22" per frame

The above includes:

1592 - White Plastic Broiler/Breeder Flooring - 2' x 3'
 398 - Val-Co Trimmed Front Slats - 24" x 16.4"
 398 - Val-Co Trimmed Top Slats - 24" x 24"
 398 - Spring Clips for front slats
 4 - Spring Clips for End Assembly of front slats
 20 End Rail Angle Support, Slat to Rail (16@33" and 4@ 21")
 2408 - Nut, KEP 5/16 - 18 ZP
 2408 - Screw, 5/16 - 18 x 1 HHCS ZP

ADD IF ENDS OPEN Lattice Kit - 8' long - This assumes a longer house so end(s) of slats needs to be enclosed.

NOTE: CATALOG #	Add GRY or BLK to Grid or Slat # for Grey or Black ITEM DESCRIPTION (Slats White unless # addendum)	SHIP WEIGHT		LIST PRICE
		LBS.	KG.	
631122	6' x 9' Grid Section with 4 Wall Brackets	171.2	77.8	
631123	6' x 9' Grid End Section with 4 Wall Brackets	164.7	74.9	
630911	6' x 12' Grid Section with 4 Wall Brackets	217.6	98.9	
630912	6' x 12' Grid End Section with 4 Wall Brackets	204.0	92.7	
630905	6' x 14' Grid Section with 4 Wall Brackets	217.6	98.9	
630910	6' x 14' Grid End Section with 4 Wall Brackets	204.0	92.7	
630000	2' x 3' White Val-Co Slat	5.1	2.3	
630000GRY	2' x 3' Grey Val-Co Slat	5.2	2.4	
630000BLK	2' x 3' Black Val-Co Slat	5.2	2.4	
630759	2' x 16.4" White Val-Co Trimmed Front Slat	2.5	1.1	
630909	2' X 2' White Val-Co Trimmed Top Slat	2.5	1.1	
630909GRY	2' X 2' Grey Val-Co Trimmed Top Slat	3.5	1.6	
630909BLK	2' X 2' Black Val-Co Trimmed Top Slat	3.5	1.6	
631013	Lattice Kit - 8' long	32.3	14.7	
630791	Interim Slat Clips - In Row	0.0	0.0	
630836	End Slat Clips - End of Row	0.0	0.0	
630842	End of Row Angle Support - 33"	1.2	0.5	
630899	End of Row Angle Support - 21"	0.8	0.4	
690142	#12 - 24 x 7/8 TEK Screw - 3/Angle Support Required	0.0	0.0	
630864	Wall Mount Bracket Kit, Plate & Pipe	0.8	0.3	
690168	Screw, 5/16 - 18	0.0	0.0	
690020	Nut, KEP 5/16 - 18ZP	0.0	0.0	



POULTRY FLOORING

RAIL SUPPORT TYPE - WINCHABLE & NON-WINCHABLE

HOW TO ORDER SUPPORT RAILS

- Determine quantity of support rail kits required.
- Divide total length of slats needed by 2 (2' wide frame) less 1 for the End Kit to determine number of frames needed
- For example, a 400' length of slats (400' on one side of a community nest.) would require 199 support rail kit frames (400 divided by 2 = 200-1=199).
- Remember to order 1 Special End Kit for each row of slats. Each kit has an angle 33" long for every 3' of slat and includes 3 TEK screws per 33" angle.

ORDER EXAMPLE

Here is a sample order list for a house with 2 slat areas, each area 9' wide x 400' long:

- 398 - 2' x 9' Rail Support Frame Assembly, Winchable
- 2 - 2' x 9' Rail Support End Frame Assembly, Winchable

This includes the following:

- 1200 - Val-Co plastic Broiler/Breeder Flooring - 2' x 3'
- 400 - Trimmed Front Slats
- 398 - Spring Clips for Front Slats
- 4 Spring Clips for End Assembly of Front Slats
- 12 End Rail Angle Support, Slat to Rail (33" Angle)
- 2400 - Nut, KEP 5/16 - ZP
- 2400 - Screw, 5/16 - 18 x 1 HHCS ZP

		NON-WINCHING		SHIP WEIGHT		LIST PRICE
CATALOG #	ITEM DESCRIPTION	LBS.	KG.			
630823	3' End Kit Assembly	35.3	16.0			
630819	3' Interim Kit Assembly	15.4	7.0			
630824	6' End Kit Assembly	63.1	28.7			
630820	6' Interim Kit Assembly	26.3	12.0			
630825	9' End Kit Assembly	113.1	51.4			
630821	9' Interim Kit Assembly	47.8	21.7			
630826	12' End Kit Assembly	148.6	67.5			
630822	12' Interim Kit Assembly	62.4	28.4			



POULTRY FLOORING
RAIL SUPPORT TYPE - WINCHABLE & NON-WINCHABLE

WINCHING		SHIP WEIGHT		LIST PRICE
CATALOG #	ITEM DESCRIPTION	LBS.	KG.	
630666	3' End Kit Assembly	37.2	16.9	
630662	3' Interim Kit Assembly	17.1	7.8	
630667	6' End Kit Assembly	65.0	29.5	
630663	6' Interim Kit Assembly	28.2	12.8	
630668	9' End Kit Assembly	115.9	52.7	
630664	9' Interim Kit Assembly	50.8	23.1	
630669	12' End Kit Assembly	151.1	68.7	
630665	12' Interim Kit Assembly	65.9	29.9	

OPTIONAL PARTS		SHIP WEIGHT		LIST PRICE
CATALOG #	ITEM DESCRIPTION	LBS.	KG.	
630000	2' x 3' White Slat	5.1	2.3	
630000GRY	2' x 3' Grey Slat	5.2	2.4	
630000BLK	2' x 3' Black Slat	5.2	2.4	
630759	2' x 16.4" White Val-Co Trimmed Front Slat	2.5	1.1	
630791	Interim Slat Clip for Front	0.0	0.0	
630836	End of Row Slat Clip for Front	0.0	0.0	
630842	End of Row Galvanized Angle Support - 33"	1.2	0.5	
690142	#12 - 24 x 7/8 TEK Screw - 3 per Angle	0.0	0.0	



POULTRY FLOORING WOOD SUPPORT TYPE WITH VAL-CO SLATS

HOW TO ORDER PLASTIC SLATS FOR WOOD FRAMES

- Order slats for each frame and gap between frames. Take the total square feet and divide by 6 plus add additional slats if any partial slats needed.
- Order 12 screws per slat size #10 x 3" stainless steel.
- Please note only single joists needed to secure the Val-Co slat since the Val-Co slats are offset. Slats must be supported every 2'.

ORDER EXAMPLE

Here is a sample order list for a house 40' wide x 400' long. Since neither width nor length is divisible by 3, one or the other will need to be cut so example is based on cut slats at 1 end.

- 2,680 - Val-Co Poultry Slat for Flooring - 2' x 3'
- 32,160 - Screw, #10 x 3" Stainless Steel

CATALOG #	ITEM DESCRIPTION	SHIP WEIGHT		LIST PRICE
		LBS.	KG.	
630000	2' x 3' White Val-Co Slat	5.1	2.3	
630000GRY	2' x 3' Grey Val-Co Slat	5.2	2.4	
630000BLK	2' x 3' Black Val-Co Slat	5.2	2.4	
690330	Screw, #10 x 3" Stainless Steel Phillips Head	0.0	0.0	

*Made of high-impact polypropylene material providing superior impact and wear resistance.
 Quantity discounts are available - call for pricing & details.*

RECOMMENDED INSTALLATION

It is recommended to use joists commensurate with load and span. Fasten slat to supports with #10 Phillips head stainless steel screw at least 3" (5.08cm) in length. Single joists on the 3' side required so slats are supported on 2' centers. The following is a guide however always consult a qualified Engineer or Architect and follow all local codes:

- Floor joist for a span of up to 6' requires 2" x 6" #2 Fir
- Floor joist for a span of up to 11' 4" requires 2" x 8" #2 Fir
- Floor joist for a span of up to 17' 5" requires 2" x 10" #2 Fir
- Install above 70°F to minimize thermal expansion.

NOTE:

This plastic poultry flooring should be installed only after insuring it meets all building codes and consulting a qualified engineer or architect. Installation must be done in accordance with installation instructions.

POULTRY FLOORING INSTALLATION INSTRUCTIONS

- The core temperature of the slats must be at least 40°F (5°C) when they are installed (i.e. they must be stored in a location prior to installation that is at least 40°F (5°C) for approximately 24 hours).
- During installation, the house temperature should remain above 40°F (5°C).
- The slats are made of polypropylene, thus they will expand and contract as the temperature changes. Make sure you take this into account as you install your substructure.
- ***Warning!*** Poultry flooring is designed to support the weight of chickens. Workers should walk only on supported areas of the flooring.
- If a hard object > 10 lbs. (4.5 kg) is dropped onto a slat, that slat should be replaced. Internal damage may or may not be visible.
- It is recommended installation be done at temperatures above 70°F to minimize thermal expansion.