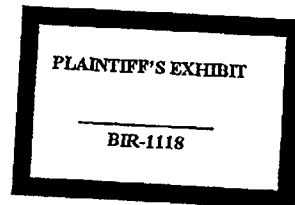
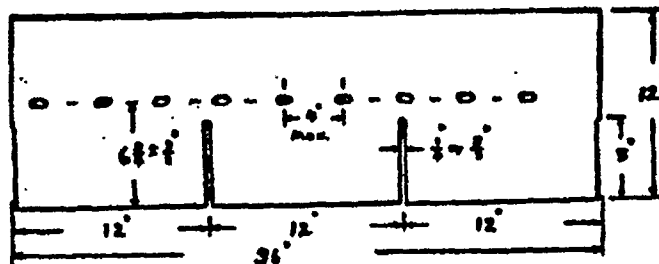


November 13, 1985

GENSTAR
Manufacturing Manual
ROOFING PRODUCT
FIRESCREEN

Finished Product No. 88
Charleston Heights
Section B

12" X 36" FIRESCREEN FUNGUS RESISTANT



SPECIFICATIONS

Area per Square: 3/8" cut-outs - Net 228.9 sq. ft.
1/4" cut-outs - Net 237.9 sq. ft.
Shingles per Square: 80
Exposure: 5"
Adhesive Spacing: 1. Minimum size to 1 inch to length by 3/4 inch to width
2. Spacing to maximum 4 inches on centers

Laying Marks - 3/4

(1) Approximately 4" x 1/2" (3/4" max.) spaced approximately 2" - no horizontal registration.

DIMENSION A - Centerline of the sealant placement from bottom of shingle:
6 3/8" - 6 1/2"

DIMENSION B - 5 1/4" - 5 3/4"

DIMENSION C - See cutout tolerances below

<u>Dimensions</u>	<u>Minimum</u>	<u>Maximum</u>	<u>Standard</u>
Length, in.	35 7/8	36 1/8	36
Width, in.	11 7/8	12 1/8	12
Center Cutouts, in.	1/4 x 4 15/16	1/4 x 5 1/16	1/4 x 5
End Cutouts, in.	1/8 x 4 15/16	1/8 x 5 1/16	1/8 x 5

Data

	<u>Per Shingle</u>		<u>Per Square</u>
	<u>Sq. In.</u>	<u>Sq. Ft.</u>	<u>Sq. Ft.</u>
Gross Area	432.0	3.000	240.0
Net Area	428.3	2.974	237.9
Cutout Waste, % by Wt. Per Total Shingle			0.85
Cutout Waste, % by Wt. Per Butt Portion			1.70

Factors for Properties per 100 Sq. Ft.

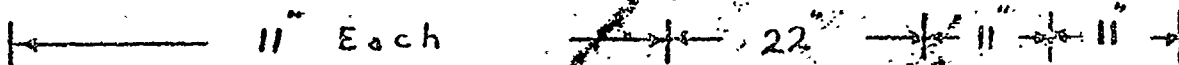
Gross Factor	2.400
Net Factor - Headlap Slate	2.400
- Glass Mat	2.379
- Surfacing Butt	2.359
- Backing	2.379
- Coating	2.379
- Release Sheet	2.400
- Self-Sealing Adhesive	2.400

gp-11-18-5-3028P

BIRD 022543

Recommended 99" Two Drop Blend Cycle for FK

Spill	Band #1	Band #2	Spill	Band #2	Spill	Band #1	Spill
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Area of Band #1 and Band #2 Granules = 44.4%

Area of Spill Granules = 55.6%

100.0%