

This material has one skin coat.

Wt. of felt	Wt. of wool	Wt. of vegetable fibre	Wt. of ash	Thickness ext. & coated	ext. felt
11.80	1.04	2.48	.30	.083 in.	.080
11.80	.92	4.38	.38	.080	.087
11.80	1.08	4.33	.28	.081	.088
11.80	1.08	4.33	.28	.081	.088
11.80	1.08	4.33	.28	.081	.088
11.80	1.08	4.33	.28	.081	.088
11.80	1.08	4.33	.28	.081	.088
11.80	1.08	4.33	.28	.081	.088
11.80	1.08	4.33	.28	.081	.088
11.80	1.08	4.33	.28	.081	.088

Calculating the results according to the specifications:

Wt. of felt ext. & coated	Wt. of ext. felt	Wt. of bitumen + wt. ext. felt	S. I.	S. C.
11.80 lbs 10.88	2.28	2.28	11.0	4.1
11.81	2.38	2.38	12.8	4.7
12 - 14	2 - 3	1.08	12.8	4.7
12 - 14	2 - 3	1.08	12.8	4.7
12 - 14	2 - 3	1.08	12.8	4.7
12 - 14	2 - 3	1.08	12.8	4.7
12 - 14	2 - 3	1.08	12.8	4.7
12 - 14	2 - 3	1.08	12.8	4.7
12 - 14	2 - 3	1.08	12.8	4.7
12 - 14	2 - 3	1.08	12.8	4.7

Increase in tensile strength when ext. & coated over ext. felt.

Wool in ext. felt	Wool in ext. felt	Wool in ext. felt	Wool in ext. felt	Wool in ext. felt
4.48	4.78	4.78	4.78	4.78
4.48	4.78	4.78	4.78	4.78
4.48	4.78	4.78	4.78	4.78
4.48	4.78	4.78	4.78	4.78
4.48	4.78	4.78	4.78	4.78
4.48	4.78	4.78	4.78	4.78
4.48	4.78	4.78	4.78	4.78
4.48	4.78	4.78	4.78	4.78
4.48	4.78	4.78	4.78	4.78
4.48	4.78	4.78	4.78	4.78

State of saturation  
 Bitumen heated 10 hours 250° F Plastic Plastic Plastic  
 Complete Complete Complete  
 Complete Complete Complete

All of these are somewhat low in weight.

The percentage of wool in the extracted felt is low being about 25% under the specifications.

The increase in tensile strength when saturated and coated over the extracted felt is not up to the requirements. The strength itself is good.