

~~SECRET~~

BIRD LIQUID ROOF COATING

Dept. FBC

Formula:	Lbs.	Gallons	% by weight
#14 Asphalt (1420)	2900	-	58.3
Mobil Heat (6.88#/gal.)	494	72	9.9
7D Asbestos (#1)	238	-	4.8
7R Asbestos (#2)	140	-	2.8
Sovasol #5 (6.58#/gal.)	1205	183	24.2
	<u>4977</u>		<u>100.0</u>

Shrinkage: 4%

Yield: 4778 lbs. (592 gals.) 8.082 lbs./gal.

Process: Run #14 Asphalt (@300°F.) into Dopp mixing kettle, and then start the agitator to run at fast speed and turn on cold circulating water. Start pumping in the Mobilheat and screening in the 7D asbestos and follow with 7R asbestos. Keep batch temperature below 150°F. Pump in the Sovasol #5 after the Mobilheat is in. Mix for 20 min., take sample for testing and OK by FBC. Reduce agitator speed to slow and run until the kettle is emptied.

Consistency:

At 77°F.	(PBL Viscosimeter 3/4" orifice)	30 sec.
At 120°F.	" " " "	10 sec.

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Dept. FB

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Consistency:

At 77°F.	(PBL Viscosimeter 3/4" orifice)	30 sec.
At 120°F.	" " " "	10 sec.

002157

BIRD LIQUID ROOF COATING ✓

Dept. FBC

Formula:	Lbs.	Gallons	% by weight
#14 Asphalt (142°)	2877 2900	-	54.5 55.2
Std. White Oil (6.88#/gal.)	470 548	79	9.0 10.4
#1 Asbestos	258 248	-	4.8 4.7
#2 Asbestos	140	-	2.7
Sovasol #5 (6.58#/gal.)	1510 1415	234 215	27.1 27.0
	5291 5251		100.0

Shrinkage: 4%

Yield: ~~5041~~ 5041 lbs. (~~624~~ 624 gals.) 8.082 lbs./gal.

SUPERSEDED

Process: Run #14 Asphalt (@300°F.) into Dopp mixing kettle, and then start the agitator to run at fast speed and turn on cold circulating water. Start pumping in the Std. White Oil and screening in the #1 asbestos and follow with #2 asbestos. Keep batch temperature below 150°F. Pump in the Sovasol #5 after the Std. White Oil is in. Mix for 20 min., take sample for testing and OK by FBC. Reduce agitator speed to slow and run until the kettle is emptied.

Consistency:

At 77°F. (PBL Viscosimeter 3/4" orifice) 30 sec.
At 120°F. (" " " ") 10 sec.

-over-

SUPERSEDED

BIRD LIQUID ROOF COATING

Dept. FBC

Formula:	Lbs.	Gallons	% by weight
#14 Asphalt (142°)	2900	-	55.2
Std. White Oil (6.88#/gal.)	548	79	10.4
#1 Asbestos	248	-	4.7
#2 Asbestos	140	-	2.7
Sovasol #5 (6.58#/gal.)	1415	215	27.0
	5251		100.0

Shrinkage: 4%

Yield: 5041 lbs. (624 gals.) 8.082 lbs./gal.

Process: Run #14 Asphalt (@300°F.) into Dopp mixing kettle, and then start the agitator to run at fast speed and turn on cold circulating water. Start pumping in the Std. White Oil and screening in the #1 asbestos and follow with #2 asbestos. Keep batch temperature below 150°F. Pump in the Sovasol #5 after the Std. White Oil is in. Mix for 20 min., take sample for testing and OK by FBC. Reduce agitator speed to slow and run until the kettle is emptied.

Consistency:

At 77°F. (PBL Viscosimeter 3/4" orifice) 30 sec.
At 120°F. (" " " ") 10 sec.

002155

(over)

BERD LIQUID ROOF COATING

Dept. FEC

Formula:	Lbs.	Gallons	% by weight
#14 Asphalt	2900		52.8%
#1 Canadian Asbestos	238		4.4
#2 " "	140		2.5
Neolite	524	80	9.5
Varnoline	1690	260	30.8
	5492 lbs.		100.0%

Yield: 5272 lbs. 642 gallons. 8.21 lbs. per gallon.

Shrinkage: 4%

Process: #14 available at 220° F. Add #1 Asbestos and Neolite, following with #2 asbestos. When all asbestos and Neolite have been added slowly add Varnoline at a temperature not exceeding 150° F. The mixture is agitated continuously from the first addition of raw materials until all the roof coating has been put in containers.

Consistency: At 77° F. - 30 sec. (Using 3/4" orifice). 10 sec. C 120° F
30 " C 77° F

Put up for Shipment in:

One gallon lithographed cans packed four or one in fibre case. Label #7904A on box. Shipping weight: Four, 39 lbs. with 5 Filler Pieces used per case; one, 11 lbs. with 3 Filler Pieces used per case.

Five gallon lithographed drums. Shipping weight 45 lbs.

Thirty gallon lithographed metal drums. Shipping weight 276 lbs.

Fifty two-gallon lithographed metal drums. Shipping weight 478 lbs.

Supersedes card dated 9/15/42.

Issued 5/26/43. Rev. 5/4/44

BERD LIQUID ROOF COATING

Dept. FEC

Formula:	Lbs.	Gallons	% by weight
#14 Asphalt	2900		52.8%
#1 Canadian Asbestos	238		4.4
#2 " "	140		2.5
Neolite	524	80	9.5
Varnoline-	1690	260	30.8
	5492 lbs.		100.0%

002151

Yield: 5272 lbs. 642 gallons. 8.21 lbs. per gallon.

Shrinkage: 4%

Process: #14 available at 220° F. Add #1 Asbestos and Neolite, following with #2 asbestos. When all asbestos and Neolite have been added, slowly add Varnoline at a temperature not exceeding 150° F. The mixture is agitated continuously from the first addition of raw materials until all the roof coating has been put in containers.

Consistency: At 77° F. - 30 sec. (Using 3/4" orifice); at 100° F. - 10 sec. (3/4" orifice).

Put up for Shipment in:

One gallon plain cans, label Form 827 packed four or one in fibre case.

Label #7904A on box. Shipping weight: Four, 39 lbs. with 5 Filler Pieces used per case; one, 11 lbs. with 3 Filler Pieces used per case.

Five gallon stencilled drums. Shipping weight 45 lbs.

Thirty gallon stencilled metal drums. Shipping weight 276 lbs.

Fifty two-gallon stencilled metal drums. Shipping weight 478 lbs.

Supersedes card dated 5/26/43

Issued 10/6/44.

SUPERSEDED

BIRD'S LIQUID ROOF COATING

Dept. 28

Yield 100 gals. (217 lbs.)

#14 Asphalt	445 lbs.
80/200 Soapstone	24 "
Fine Asbestos	41 "
Kerosene (N50)	17.5 gals.
#2 Naphtha	30.5 "

SUPERSEDED

(Material shrinkage approx. 1% by weight.)

Process:

#14 available at 220° F. Add Soapstone, Asbestos and Kerosene simultaneously, mixing ingredients thoroughly so as to obtain a perfect blend. Add Naphtha slowly at temperature not above 150° F.

Put up for shipment in:

four, two and one in wood box
 One gallon cans packed six to fibre case (.080 board). Label #7586 on can; Label #7589 on fibre case.
 Five gallon American cans. Label #7587.
 Thirty gallon metal drums. Label #7588.

8/22/28