DIVISION SHREVEPORT, LA

PRODUCT CODE

PRODUCT SPECIFICATIONS
MACHINE # 10
PRODUCT NAME Architect 80 Hip & Ridge
No. 11 Granules

ISSUED DATE 1982
REV. 2-16-82
SUPERSEDES:

DESCRIPTION: Size: 9"x12" these shlgs. cut 12x36 with a row of perforations across the shlg. at 9", 18", 27" so that when separated at perforations there will be 4-9"x12" shlgs. Shlgs. per bundle 108; sq. ft. matl. per bundle 81. Each bundle covers 45.0 lineal ft. of Hip & Ridge.

CODE:	MATERIALS:	NET#	GROSS#	NET# PER 100 SQ. FT.
29610	Glass Mat	1.6#	1.7#	2.0#
14200	Coating Asphalt	~~22.0~~ 20.4	~~22.6~~ 21.0	~~27.2~~ 25.2
56200	Filler 55%	~~26.9~~ 24.9	~~27.7~~ 25.6	~~33.3~~ 30.7
56150	No. 11 Granule	~~25.4~~ 25.3	27.1	~~31.3~~ 31.2
59050	#36 Talc	0.7	1.2	~~0.8~~ 0.9
	Wt/Per 81 Sq. Ft.	~~76.6~~ 72.9	~~80.3~~ 76.6	~~94.6~~ 90.0
	Finishing Materials	0.3		
	Shipping Wt.	~~76.9~~ 73.2		
	Variation in Shipping Wt.	Max ~~76.9#~~ 74.0	Min. ~~72.9#~~ 68.8	
	No Underwriter Label			

FINISHING MATERIALS:

RCD OPERATING SPEED 700 **PRODUCTION CREW SIZE** 16 **UNIT** BLD.

COLORS: Spillover Color Beechwood, Ebony Wood, Oakwood, Cypresswood, Driftwood

PLAINTIFF'S EXHIBIT
BIR-1000

BIRD 014564

BB

PRODUCT SPECIFICATIONS

DIVISION SHREVEPORT, LA BLENDES FOR MACHINE #10

ISSUED DATE 10-31-83
REV.

PRODUCT CODE _____ PRODUCT NAME MAHOGANY
(FIRESCREEN)
(JET-80)
(WIND SEAL)

SUPERSEDES: 6-2-75

CODE	HOPPER	%	SLATE
	1	70	46 Tan
		20	41 Brown
		10	Glenwood
	3	25	46 Tan
		60	41 Brown
		15	Glenwood
	Spill	45	46 Tan
		40	41 Brown
		15	Glenwood

CAM Settings:

Hopper No. 1 Starts 207° Stops 260°
Hopper No. 3 Starts 0° Stops 74°

RCD Operating Speed _____ Production Crew Size _____ Unit _____

Colors: _____

BIRD 014566

PRODUCT SPECIFICATIONS

DIVISION SHREVEPORT, LA BLENDES FOR MACHINE #10

ISSUED DATE 10-31-83
REV.

PRODUCT CODE _____ PRODUCT NAME MOIRE BLACK
(FIRESCREEN)
(JET-80)
(WIND SEAL)

SUPERSEDES: 4-23-73

CODE	HOPPER	%	SLATE
	1	80	55 Gray
		20	51 Black
	3	25	55 Gray
		75	51 Black
	Spill	50.0	55 Gray
		50.0	51 Black

CAM Settings:

Hopper No. 1 Starts 207° Stops 260°
Hopper No. 3 Starts 0° Stops 74°

RCD Operating Speed _____ Production Crew Size _____ Unit _____

Colors: _____

BIRD 014568

PRODUCT SPECIFICATIONS

DIVISION: SHREVEPORT, LA

PRODUCT CODE: 0635-000

MACHINE #FSPM #10

PRODUCT NAME: GLASS BILT FIRESCREEN SHINGLES 3 TABS NO. 11 GRANULES

ISSUED DATE: 6-15-84

REV.:

SUPERSEDES: 10-7-83

DESCRIPTION: Size 12" x 36". Cutouts 5" x ¼". 5" Exposure. Sq. Ft. Material per square 240.0 gross 237.9 Net. Shingles per square 80, 3 bundles 27, 27, 26. Wind Seal Dots on a line 6" up from the bottom edge of the shingle. Minimum dots 1½" long, ½" wide, maximum 3" on centers.

CODE	RAW MATERIALS PER SQ. BASE - 240 SQ. FT.	MATERIALS PER SQUARE NET WEIGHT	GROSS WEIGHT	LBS. PER 100 SQ. FEET
29610	GLASS MAT 2 Lb x 48"	4.8	5.1	2.0
14200	Coating #21½ Asphalt	55.4	57.1	23.1
56200	Filler 56%	70.5	72.6	29.4
56406	#11 Headlap Granules (30)	22.5	24.1	9.4
56150	#11 Colored Granules (70)	52.6	56.3	21.9
59050	#36 Talc Pioneer & Windsor	2.0	3.4	0.8
12150	Wind Seal Adhesive	0.8	0.8	-
56675	Anti-Stick	0.2	0.2	-
		208.8	219.6	86.6
	Cutout Wt.	1.8		
	Net Wt/Square	207.0		
	Finishing Materials	1.0		
	Shipping Wt.	208.0		

FINISHING MATERIALS: Kraft Wrap, Glued top flap and ends, Wrapper wt. - 0.9/sq. Adhesive - top flap #14 asphalt .02 lb./sq.: Ends glued. H. B. Fuller No. 3950 wrapper color red on Kraft. Underwriter Label Class A Shingles wind resistant printed on wrap. Width of wrap 42¼": Repeat 35.8

NOTE: Back Coating - 10# - 12#/100 sq. ft. Max. % Filler - 62%

RCD OPERATING SPEED: 450 **PRODUCTION CREW SIZE:** 16 **UNIT:** Square

COLORS: Acorn, White, Moire Black, Wood Blend, Mahogany, Bark Blende, Weather Blend, Gray

BIRD 014570

PRODUCT SPECIFICATIONS

ISSUED DATE 10-2-82
REV:

DIVISION SHREVEPORT, LA. ROOFING MACHINE#

PRODUCT CODE 11 35 001 PRODUCT NAME ARCHITECT - 80 SHINGLE
Component #1

SUPERSEDES: 12-7-81

DESCRIPTION: 12¼" x 36" - (Overall 36-7/16"). Top 5" of shingle at end off-set 7/16". No cut-outs. Exposure 5". #1 & 2 components single layer. (No Thick-Butt portion). Shingles per sq. - 80, per bundle - 16 or 5 bdls. per sq. Wind Seal Adhesive in form of dots applied @ 6-1/8" center from top of shingle. Dots minimum size is 1" Length x 3/4" width 9 dots per shingle spacing is maximum 4" on centers, min. ave. height of .025" above surface of shingle. Bradford Flakes anti-stick applied in 2" bands on back down center line of overlying adhesive dots. Upper 6" of each shingle surfaced with Glenwood Granules.

CODE	RAW MATERIALS DESCRIPTION	MATERIALS PER SQ. (195 SQ FT) NET WEIGHT	GROSS WEIGHT	NET PER 100 Sq. Ft.
29610	Glass Mat.	3.9	4.1	2.0
14200	Coating Asphalt (21½)	45.6	47.0	23.4
56200	Filler (55%)	55.5	57.2	28.5
56150	#11 Granule	61.0	65.3	31.3
59050	#36 Talc	1.6	2.8	0.8
12150	Wind Seal Adhesive	1.6	1.6	0.8
56675	Anti Stick	0.2	0.2	0.1
	TOTAL	169.4	178.2	86.9

Wrapped in plain 80# kraft wrappers size 35.8 x 42½ 0.3/bld. 27 shlgs. per bld.

RCD Operating Speed 320 Production Crew Size 20 Unit sq.

Colors: Oakwood, Driftwood, Ebonywood, Beechwood, Cypresswood

BIRD 014572

PRODUCT SPECIFICATIONS

ISSUED DATE 10/82

DIVISION SHREVEPORT, LA. ROOFING MACHINE#

PRODUCT CODE 11 35 002 PRODUCT NAME ARCHITECT - 80 SHINGLE

SUPERSEDES: 12-7-81

Componenet #2

CODE	RAW MATERIALS DESCRIPTION	MATERIALS PER SQ. NET WEIGHT	MATERIALS PER SQ. GROSS WEIGHT	NET PER 100 Sq. Ft.
	Materials Per 120.0 Sq. Ft.			
29610	Glass Mat	2.4#	2.5#	2.0#
14200	Coating Asphalt (21½)	28.1	28.9	23.4
56200	Filler (55%)	34.2	35.2	28.5
56150	#11 Granules	37.5	40.1	31.3
59050	#36 Talc	1.0	1.7	0.8
56675	Anti Stick	0.1	0.1	0.1
	TOTAL	103.3#	108.5#	86.1#

Wrapped in plain 80# kraft wrappers size 35.8 x 42½ 0.3#/BLD. 54 shlg per. BLD.

After combinding each pallet load it is wrapped with bordon stretch film no. ps-26-pb.

FINISHING: Combining of Component #1 and Component #2 WITCO Chemical Adhesive #257L — COMBINING 2.3#

Combining Labor: 5 Men/2 Line Assembly Operation

Finishing Materials: (Corrugated Wrappers, contrax strapping No. P 10435) — 5.0#

Shipping Wt. — 280.0#

NOTE: A 2% Material loss occurs during combining; Requires 102 of each component for 100 Finished Shingles.

FINISHING MATERIALS: 5 Corrugated wrappers - 125# Test - 36½" x 37", Printed 1 color.
Wrappers to have corrugations running 36½" length.
To be scored along 36½" Length, 4½", 8¼", 21¼", 25", to give 12½ lap of wrap on top of package.
Wrappers to have Underwriters' Class A shingles, Wind Resistant, Label printed on each wrapper.

RCD OPERATING SPEED (Combining 70 sq./hr. - PRODUCTION CREW SIZE 13 UNIT Square

BIRD 014573

PRODUCT SPECIFICATIONS

DIVISION: SHREVEPORT, LA

PRODUCT CODE: 02-15-000

PRODUCT NAME: ROOFING MACHINE # MINERAL SURFACED ROLL ROOFING

ISSUED DATE: 12-1-83

REV.:

SUPERSEDES: 4-25-73

DESCRIPTION:

CODE	RAW MATERIALS PER SQ. DESCRIPTION	MATERIALS PER ROLL NET WEIGHT	GROSS WEIGHT	NET PER 100 SQ. FEET
	MATERIALS PER 108 SQ. FT.			
28450	Felt - 45# x 36"	10.0	11.3	9.3
15400	Saturation - #14 1/2 - 150%	15.0	15.5	13.9
14200	Coating - #21 1/2	10.0	10.3	9.3
56200	Filler - 53%	11.2	11.5	10.3
56150	Surfacing - #11 Oiled	33.8	36.2	31.3
59050	Backing - Pioneer Talc	1.0	1.7	0.9
	Weight per 108 sq. ft.	81.0		
	Finishing Materials - Wrapper	0.1		
	Shipping Weight	81.1		
	1 Printed Wrapper, each roll. Color coded Green ~~and Black~~. SIZE 21 X 36			
	Direction sheet printed on Wrapper. ON KNAIT			

FIXTURES: Length of Rolls - 36' 0". (No extra allowance for two piece rolls).

RCD OPERATING SPEED: ~~525~~ 550 Rolls/Hour PRODUCTION CREW SIZE: ~~12~~ 10/8 UNIT: Roll

COLORS: ~~Colonial Green~~, Black, White, Wood Blende, Brown ~~Blende~~ ACORN

BIRD 014575

PRODUCT SPECIFICATIONS

ISSUED DATE 4/24/73
REV. 11-25-74
1-11-77
SUPERSEDES: 12/27/63

DIVISION SHREVEPORT, LA. MACHINE #

PRODUCT CODE 30 05 000 PRODUCT NAME BIRD REFLECTO-COAT ALUMINUM ROOF COATING

CODE	FORMULA	% BY WT.	LBS.	GALLONS
14200	Asphalt - ~~#21~~ 175	28	1120	149
36600	Naphtha-Stoddard	15	600	92
38000	Naphtha - VM & P	23	920	147
13750	Asbestos - PT-1	14	560	
12750	Al Paste - Alcoa #231	20	800	

Yield - 3840# ~~427 Gal.~~ - ~~9.0~~ 7.9 #/Gal.
Loss - 4%
Consistency - Schutte @ 77° - 10 Sec.
8 to 12 Sec.

Containers:
1 Gallon, plain, labels pasted on.
Packed 6 - 1 gallon cans per carton. Wt. ~~58.0#~~ 55#
5 Gallon, plain, black - labels pasted on. Shipping Wt. - ~~47#~~ 42.5#
52 Gallon, METAL, BLACK, Labels Pasted on (Reworked Drums) 524#

PROCESS: Run ~~#21~~ 175 into mixer. Turn water on in cooling jacket. When temperature is below 250°F., add Stoddard Naphtha. After adding Stoddard completely add VM & P. After addition of VM & P add asbestos fibre. After fibre has been added and mixed, add Aluminum paste - breaking it up as it is added. Mix for 30 minutes after aluminum has been added and then obtain samples for testing.

RCD Operating Speed _____ **Production Crew Size** _____ **Unit** _____

Colors: _____

BIRD 014577

PRODUCT SPECIFICATIONS

DIVISION SHREVEPORT, LA. MACHINE #

ISSUED DATE 4/24/73
REV. 1-4-77

PRODUCT CODE 32 08 000 PRODUCT NAME QUICK SETTING LAP CEMENT

SUPERSEDES: 8/1/60

CODE	FORMULA	% By Wt.	LB.	Gallons
14200	Asphalt #21	42.0	3150	420
39250	Kerosene	12.0	900	137
36600	Naptha (Stoddard)	12.0	900	148
13650	Asbestos (7R)	5.0	375	
56200	Glenwood Filler	29.0	2175	

Yield - 7425#, ~~825 Gal. - 9.0#~~ 8.7#/Gal.
Loss - 1%
Consistency - Schutte @ 77° - 6-12 Sec.
Flash Point - 110° F., Minimum - C.O.C.

Containers:
1 Pt. Caulking cartridge packed 24 to box - 24.0#
1 Qt., Metal, lithographed, packed 12 to case, no filler pieces - 32#.
1/2 Gal., Metal, lithographed, packed 6 to case, no filler pieces -35#
1 Gal., Metal, lithographed, packed 6 to case, no filler pieces - ~~62#~~ 60#
5 Gal., Metal, lithographed, 29 Ga., Shipping Wt. ~~51.0#~~ 46.5#

PROCESS: Run #21 into mixer, turn on water in water jacket, add Filler and Asbestos. When temperature is below 300° F., add Kerosene. When temperature is below 200° F., add Naptha. Each batch must be approved by Laboratory.

RCD Operating Speed _____ Production Crew Size _____ Unit _____

Colors: _____

BIRD 014579

PRODUCT SPECIFICATIONS

DIVISION SHREVEPORT, LA. MACHINE #

ISSUED DATE 4/24/73
REV.

PRODUCT CODE 32 12 000 PRODUCT NAME BUCA (BUILT-UP COLD APPLICATION ADHESIVE)

SUPERSEDES: 4/28/64

CODE	FORMULA	% BY WT.	LBS.	GALLONS
15400	#17-1/2 Asphalt (175 - 180° S. P.)	50.6	4048	540
13650	Asbestos - 7R	12.0	960	
36600	Naphtha - Stoddard	37.4	2992	459

Yield - 7840# 8.1# per gallon
Loss - 2%
Consistency - Schutte - 3/4" Orifice - 30 Sec. @ 86°

CONTAINERS: 5 Gal. Cans - Labels Pasted on.
Shipping Wt. - 44#

Units per Crew Hour - 40
Man Hours per unit - 0.050

PROCESS: Run #17-1/2 into Mixer. Turn on water in cooling jacket. After temp. is below 300° F. add Naphtha. Allow this to mix completely and then add Asbestos. Fill containers after temperature is below 160°F.

RCD Operating Speed **Production Crew Size** **Unit**

Colors:

BIRD 014581

PRODUCT SPECIFICATIONS

DIVISION SHREVEPORT, LA. MACHINE #

PRODUCT CODE 32 05 000 PRODUCT NAME LAP CEMENT

ISSUED DATE 4/24/73
REV.

SUPERSEDES: 8/1/60

CODE	FORMULA	% By Wt.	Lbs.	Gallons
15400	#13-1/2 Asphalt	65.0	5223	697
39250	Kerosene	22.0	1768	271
36600	Naphtha-Stoddard	7.5	603	96
13650	Asbestos 7R	5.5	442	
	Yield - 7956#	8.1 per gallon		
	Loss - 1%			

Consistency - Schutte - 3/4" Orifice - 6 Sec. @ 86°F.

Containers:

1 Pt. Cans

1 Gal. Cans - Plain - Labels pasted on. Packed 6 to case, no filler pieces per case. Wt.-60#

5 Gal. drums - Black - 29 Ga., labels pasted on. Shipping Wt. - 42.0#.

30 Gal. Drums - Black - Labels pasted on. Shipping Wt. - 265#. (Reworked drums)

52 Gal. Drums - Black - Labels pasted on. Shipping Wt. - 475#. (Reworked drums)

PROCESS: Run #13-1/2 into mixer. Turn on water in cooling jacket. When temperature is below 300°F. add Kerosene and Asbestos. When temperature is below 200°F., add Naphtha. Fill container when temperature is below 160°.

RCD Operating Speed _____ **Production Crew Size** _____ Unit _____

Colors: _____

BIRD 014583

PRODUCT SPECIFICATIONS

DIVISION SHREVEPORT, LA. MACHINE #

ISSUED DATE 4/24/73
REV. 1-4-77
9-15-78
SUPERSEDES: 8/1/71

PRODUCT CODE 32 07 000 PRODUCT NAME PLASTIC CEMENT

CODE	FORMULA	% BY WT.	LBS.	GALLONS
15400	#13-1/2 Asphalt	~~51.0~~ 52.0	~~4629~~ 5193	607
13650	7R Asbestos	~~14.0~~ 14.0	~~1271~~ 1400	
59150	~~#36 Ga.~~ Talc	~~6.5~~ 13.0	~~590~~ 1324	
56200	~~Glenwood Filler~~	~~6.5~~	~~590~~	
39250	Kerosene	~~3.5~~ 3.0	~~318~~ 306	~~26~~ 25
36600	Stoddard Naphtha	~~18.5~~ 18.0	~~1683~~ 1784	~~268~~ 300

~~9.2~~ *

Yield - 8990# Wt. per Gal. - ~~8.97~~#

Loss - 1% 5-10

Consistency - Schutte @ 77°F. - ~~4-6~~ sec.

Containers:

1 pt. lithographed cans, packed 12 to case, with no filler pieces - 17.75#.

1 qt. lithographed cans, packed 12 to case, no filler pieces - 38#.

1/2 gallon lithographed cans, packed 6 to case, no filler pieces - ~~34.75~~#. 32.5 *

1 gallon lithographed cans, packed 6 to case, no filler pieces - ~~63.6~~#. 62.5 *

5 gallon, lithographed, 29 Ga., ~~56.0~~#. 49.0 *

30 gallon, metal, black, labels pasted on. (Reworked drums) Shipping Wt. - 335#.

52 gallon, metal, black, labels pasted on. (Reworked drums) Shipping Wt. - ~~585~~#. 526 *

PROCESS: Run #13-1/2 asphalt into mixing tank. Turn on water in cooling jacket. When temp. is below 300°F., add Talc, Filler, asbestos, Kerosene and then Naphtha. Mix for a minimum of 10 minutes after all material has been added before catching sample. Each batch must be approved by laboratory.

RCD Operating Speed _____ **Production Crew Size** _____ **Unit** _____

Colors: _____

BIRD 014585

PRODUCT SPECIFICATIONS

DIVISION SHREVEPORT, LA. MACHINE #

ISSUED DATE 4/24/73
REV. 1-4-77

PRODUCT CODE 22 30000 PRODUCT NAME PRIMER (TO MEET GOV'T SPEC. SS-A-701)

SUPERSEDES: 8/1/60

CODE	FORMULA	% BY WT.	LBS.	GALLONS
15400	#13-1/2 Asphalt	40	3105	427
36600	Naphtha-Stoddard	60	4658	738

Yield - 1153 Gallons 7685# 6.7#/gal.
Loss - 1%

Containers:
5 Gallon drums plain, 29 Ga. - Labels pasted on. Wt. - ~~38~~ 36.5#
30 Gallon drums plain - Labels pasted on. Wt. - 251#. (Reworked)
52 " " " " " " wt. - 396#
Min. Flash Point - 110°F.

PROCESS: #13-1/2 run into mixer. Turn on water in cooling jacket. When temperature is below 200°F., add Naphtha.

RCD Operating Speed 5 hr. batch **Production Crew Size** **Unit**

Colors:

BIRD 014587

PRODUCT SPECIFICATIONS

DIVISION SHREVEPORT, LA. MACHINE #

ISSUED DATE 4/24/73
REV. 1-4-77

PRODUCT CODE 3003000 PRODUCT NAME ASPHALT PROTECTIVE COATING

SUPERSEDES: 8/1/60

CODE	FORMULA	% By Wt.	Lbs.	Gallons
14200	#21 Asphalt	49.6	3945	526
36600	Naphtha (Stoddard)	50.4	4013	639

Yield - 1153 Gallons 7878# 6.9#/gal
Loss - 1%

Consistency - Schutte - 3/4" Orifice - 1-1/2 - 1-2/3 Sec. @ 62°F.

Containers:
1 Gal. Metal, plain, labels pasted on. Packed 6 to case, no filler pieces per case - ~~46#~~ 49#
5 Gal. Metal, black, 29 ga., labels pasted on. Shipping Wt. - ~~40-5#~~ 37.5#
30 Gal. Metal, black, labels pasted on. Shipping Wt. - 260#. (Reworked drums)
52 Gal. Metal, black, labels pasted on. Shipping Wt. - ~~453-0#~~ (Reworked drums) 407#

PROCESS: Run #21 Asphalt into mixer. Turn on water in cooling jacket. When temperature is below 225°F, add Naphtha. Each batch must be tested and approved by the laboratory.

RCD Operating Speed Production Crew Size Unit

Colors:

BIRD 014588

Asphalt

PRODUCT SPECIFICATIONS

ISSUED DATE 5/24/73
REV. 12-18-73
1-1-74

DIVISION SHREVEPORT, LA. MACHINE #

PRODUCT CODE 30 02 000 PRODUCT NAME ROOF COATING (FIBERED)

SUPERSEDES: 8/1/71

CODE	FORMULA	% BY WT.	LBS.	GALLONS
15400	#13-1/2 Asphalt	50.0	3875	508
13650	Asbestos - 7R	12.0	930	
36600	Stoddard Naphtha 7.6#	38.0	2945	470

~~7518#~~ 7672 ~~929~~ Gal. Yield - Shrink - 1%

Consistency @ 77°F. - 15 to 25 seconds.

Containers:

1 gallon, metal, lithographed, packed 6 to case, no filler pieces, ~~51.25#~~ 53#

5 gallon, metal, lithographed, 29 Ga. - ~~42.0#~~ 44.0#

30 gallon, metal, black, (Reworked Drums), labels pasted on. Shipping Wt. - 265.0#

52 gallon, metal, black, (Reworked Drums), Labels pasted on. Shipping Wt. - ~~470.0#~~ 474#

PROCESS: Run Asphalt into mixer. Turn on water in cooling jacket. Add Asbestos. When temp. is below 200°F. add Naphtha. Each batch must be approved by laboratory.

RCD Operating Speed Production Crew Size Unit

Colors:

BIRD 014590

PRODUCT SPECIFICATIONS

DIVISION SHREVEPORT, LA. MACHINE #

ISSUED DATE 4/24/73
REV. 1-1-72

PRODUCT CODE ~~32-00-000~~ 3015 PRODUCT NAME QUICK SETTING LAP CEMENT

SUPERSEDES: 8/1/60

CODE	FORMULA	% By Wt.	LB.	Gallons
14200	Asphalt #21	42.0	3150	420
39250	Kerosene	12.0	900	137
36600	Naptha (Stoddard)	12.0	900	148
13650	Asbestos (7R)	5.0	375	
56200	Glenwood Filler	29.0	2175	

Yield - 7425#, ~~825 Gal.~~ - ~~9.0~~ 8.7#/Gal.
Loss - 1%
Consistency - Schutte @ 77° - 6-12 Sec.
Flash Point - 110° F., Minimum - C.O.C.

Containers:
1 Pt. Caulking cartridge packed 24 to box - 24.0#
1 Qt., Metal, lithographed, packed 12 to case, no filler pieces - 32#.
1/2 Gal., Metal, lithographed, packed 6 to case, no filler pieces - 35#
1 Gal., Metal, lithographed, packed 6 to case, no filler pieces - ~~62#~~ 60#
5 Gal., Metal, lithographed, 29 Ga., Shipping Wt. ~~51.0#~~ 46.5#

PROCESS: Run #21 into mixer, turn on water in water jacket, add Filler and Asbestos. When temperature is below 300° F., add Kerosene. When temperature is below 200° F., add Naptha. Each batch must be approved by Laboratory.

RCD Operating Speed _____ Production Crew Size _____ Unit _____

Colors: _____

BIRD 014591

PRODUCT SPECIFICATIONS

ISSUED DATE 4/24/7
REV. 1-4-17

DIVISION SHREVEPORT, LA. MACHINE #

PRODUCT CODE 3016 ~~32-10-000~~ PRODUCT NAME SPECIAL FLASHING CEMENT

SUPERSEDES: 9/1/67

CODE	FORMULA	% By Wt.	Lbs.	Gallons
15400	#13-1/2 Asphalt	54.0	3828	524
39250	Kerosene	14.0	993	153
38000	VM & P Naphtha	14.0	993	159
13450	Asbestos 6D	9.0	638	
13650	Asbestos 7R	9.0	638	

Yield - 7019# 7.9# per Gallon
Loss - 1%
Consistency @ 77° Schutte Min. - 5 sec. Max. - 10 Sec.

Containers: 42.5 FE
5 Gal. Drums - Metal, Lithographed, White on Black, 29 Ga. - Shipping Wt. - 49#
30 Gal. Drums - Plain, Black, Labels pasted on - Shipping Wt. - 295# (Reworked Drums)
52 Gal. Drums - Plain, Black, Labels pasted on - Shipping Wt. - 515# (Reworked Drums) 457
1 Gal., plain metal cans, packed 6/case, no filler pieces, 56.0# (Special Order only)

PROCESS: #13-1/2 pumped into mixer, when temperature is below 325° F., add Kerosene, when thoroughly mixed and temperature is below 200° F., add Naphtha, and then the Asbestos.

RCD Operating Speed _____ Production Crew Size _____ Unit _____

Colors: _____

BIRD 014592

PRODUCT SPECIFICATIONS

DIVISION SHREVEPORT, LA. MACHINE #

ISSUED DATE 4/24/73
REV.

PRODUCT CODE 3017 ~~32-12-000~~ PRODUCT NAME BUCA (BUILT-UP COLD APPLICATION ADHESIVE)

SUPERSEDES: 4/28/64

CODE	FORMULA	% BY WT.	LBS.	GALLONS
15400	#17-1/2' Asphalt (175 - 180° S. P.)	50.6	4048	540
13650	Asbestos - 7R	12.0	960	
36600	Naphtha - Stoddard	37.4	2992	459

Yield - 7840# 8.1# per gallon
Loss - 2%
Consistency - Schutte - 3/4" Orifice - 30 Sec. @ 86°

CONTAINERS: 5 Gal. Cans - Labels Pasted on.
Shipping Wt. - 44#

Units per Crew Hour - 40
Man Hours per unit - 0.050

PROCESS: Run #17-1/2 into Mixer. Turn on water in cooling jacket. After temp. is below 300° F. add Naphtha. Allow this to mix completely and then add Asbestos. Fill containers after temperature is below 160°F.

RCD Operating Speed _____ Production Crew Size _____ Unit _____

Colors:

BIRD 014593

Not made Anymore?

PRODUCT SPECIFICATIONS

DIVISION SHREVEPORT, LA. MACHINE #

ISSUED DATE 4/24/ 3
REV.

PRODUCT CODE 3020 ~~32 05 000~~ PRODUCT NAME LAP CEMENT

SUPERSEDES: 8/1/60

CODE	FORMULA	% By Wt.	Lbs.	Gallons
15400	#13-1/2 Asphalt	65.0	5223	697
39250	Kerosene	22.0	1768	271
36600	Naphtha-Stoddard	7.5	603	96
13650	Asbestos 7R	5.5	442	
	Yield - 7956#	8.1 per gallon		
	Loss - 1%			

Consistency - Schutte - 3/4" Orifice - 6 Sec. @ 86°F.

Containers:
1 Pt. Cans
1 Gal. Cans - Plain - Labels pasted on. Packed 6 to case, no filler pieces per case. W..-60#
5 Gal. drums - Black - 29 Ga., labels pasted on. Shipping Wt. - 42.0#.
30 Gal. Drums - Black - Labels pasted on. Shipping Wt. - 265#. (Reworked drums)
52 Gal. Drums - Black - Labels pasted on. Shipping Wt. - 475#. (Reworked drums)

PROCESS: Run #13-1/2 into mixer. Turn on water in cooling jacket. When temperature is below 300°F. add Kerosene and Asbestos. When temperature is below 200°F., add Naphtha. Fill container when temperature is below 160°.

RCD Operating Speed _____ Production Crew Size _____ Unit _____

Colors: _____

BIRD 014594

PRODUCT SPECIFICATIONS

DIVISION SHREVEPORT, LA.

MACHINE #

ISSUED DATE 4/24/73
REV. 11-25-74
1-11-77

PRODUCT CODE 3027 ~~30-05-000~~

PRODUCT NAME BIRD REFLECTO-COAT ALUMINUM ROOF COATING

SUPERSEDES: 12/27/6

CODE	FORMULA	% BY WT.	LBS.	GALLONS
14200	Asphalt - ~~#21~~ 175	28	1120	149
36600	Naphtha-Stoddard	15	600	92
38000	Naphtha - VM & P	23	920	147
13750	Asbestos - PT-1	14	560	
12750	Al Paste - Alcoa #231	20	800	

Yield - 3840# ~~427 Gal.~~ - ~~9.0~~ 9.1#/Gal.
Loss - 4%
Consistency - Schutte @ 77° - 10 Sec.
8 to 12 Sec.

Containers:
1 Gallon, plain, labels pasted on.
Packed 6 - 1 gallon cans per carton. Wt. ~~58.0#~~ 5[illegible]#
5 Gallon, plain, black - labels pasted on. Shipping Wt. - ~~47#~~ 42.5#
52 GALLON, METAL, BLACK, LABELS PASTED ON (REWORKED DRUMS) - 524#

PROCESS: Run ~~#21~~ 175 into mixer. Turn water on in cooling jacket. When temperature is below 250°F., add Stoddard Naphtha. After adding Stoddard completely add VM & P. After addition of VM & P add asbestos fibre. After fibre has been added and mixed, add Aluminum paste - breaking it up as it is added. Mix for 30 minutes after aluminum has been added and then obtain samples for testing.

RCD Operating Speed _____ Production Crew Size _____ Unit _____

Colors: _____

BIRD 014595

Asbuton

PRODUCT SPECIFICATIONS

ISSUED DATE 4/24/73
REV. 12-18-73
1-4-74
SUPERSEDES: 8/1/71

DIVISION SHREVEPORT, LA. MACHINE #

PRODUCT CODE 30 02 000 PRODUCT NAME ROOF COATING (FIBERED)

CODE	FORMULA	% BY WT.	LBS.	GALLONS
15400	#13-1/2 Asphalt	50.0	3875	508
13650	Asbestos - 7R	12.0	930	
36600	Stoddard Naphtha 7.6#	38.0	2945	470

7672 ~~7518~~
Yield - ~~7518~~# - ~~929~~ Gal. Shrink - 1%
Consistency @ 77°F. - 15 to 25 seconds.

Containers:
1 gallon, metal, lithographed, packed 6 to case, no filler pieces. ~~51.25~~#. 53#
5 gallon, metal, lithographed, 29 Ga. - ~~42.0~~#. 44.0#
30 gallon, metal, black, (Reworked Drums), labels pasted on. Shipping Wt. - 265.0#.
52 gallon, metal, black, (Reworked Drums), Labels pasted on. Shipping Wt. - ~~470.0~~# 445#

PROCESS: Run Asphalt into mixer. Turn on water in cooling jacket: Add Asbestos. When temp. is below 200°F. add Naphtha. Each batch must be approved by laboratory.

RCD Operating Speed _____ Production Crew Size _____ Unit _____

Colors _____

BIRD 014596

PRODUCT SPECIFICATIONS

DIVISION SHREVEPORT, LA. MACHINE #

ISSUED DATE 4/24/73
REV. 1-11-77
9-15-78

PRODUCT CODE ~~32-07-000~~ 30 14 000 PRODUCT NAME PLASTIC CEMENT

SUPERSEDES: 8/1/71

CODE	FORMULA	% BY WT.	LBS.	GALLONS
15400	#13-1/2 Asphalt	~~51.0~~ 52.0	~~4629~~ 5195	607
13650	7R Asbestos	14.0 14.0	~~1271~~ 1400	
59150	#36 ~~Ga~~. Talc	~~6.5~~ 13.0	590 1334	
56200	~~Glenwood Filler~~	~~6.5~~	~~590~~	
39250	Kerosene	~~3.5~~ 3.0	~~318~~ 306	~~26~~ 25
36600	Stoddard Naphtha	~~18.5~~ 18.0	1683 1784	~~268~~ 300
		9.2#		
	Yield - 8990#	Wt. per Gal. - ~~8.93~~#		
	Loss - 1%	5-10		
	Consistency - Schutte @ 77°F. - ~~4-6~~ sec.			

Containers:

1 pt. lithographed cans, packed 12 to case, with no filler pieces - 17.75#.
1 qt. lithographed cans, packed 12 to case, no filler pieces - 38#.
1/2 gallon lithographed cans, packed 6 to case, no filler pieces - ~~34.75~~#. 32.5#
1 gallon lithographed cans, packed 6 to case, no filler pieces - ~~63.6~~#. 62.5#
5 gallon, lithographed, 29 Ga., ~~56.0~~#. 49.0#
30 gallon, metal, black, labels pasted on. (Reworked drums) Shipping Wt. - 335#.
52 gallon, metal, black, labels pasted on. (Reworked drums) Shipping Wt. - ~~585~~#. 526#

PROCESS: Run #13-1/2 asphalt into mixing tank. Turn on water in cooling jacket. When temp. is below 300°F., add Talc, Filler, asbestos, Kerosene and then Naphtha. Mix for a minimum of 10 minutes after all material has been added before catching sample. Each batch must be approved by laboratory.

RCD-Operating Speed Production Crew Size Unit

Colors:

BIRD 014597

PRODUCT SPECIFICATIONS

ISSUED DATE 4/24/7?
REV. 7-1-77
SUPERSEDES: 8/1/60

DIVISION SHREVEPORT, LA. MACHINE #

PRODUCT CODE ~~32-08-000~~ 3015 PRODUCT NAME QUICK SETTING LAP CEMENT

CODE	FORMULA	% By Wt.	LB.	Gallons
14200	Asphalt #21	42.0	3150	420
39250	Kerosene	12.0	900	137
36600	Naptha (Stoddard)	12.0	900	148
13650	Asbestos (7R)	5.0	375	
56200	Glenwood Filler	29.0	2175	

9.7#

Yield - 7425#, ~~825 Gal.~~ - ~~9.0~~#/Gal.
Loss - ~~1%~~
Consistency - Schutte @ 77° - 6-12 Sec.
Flash Point - 110° F., Minimum - C.O.C.

Containers:
1 Pt. Caulking cartridge packed 24 to box - 24.0#
1 Qt., Metal, lithographed, packed 12 to case, no filler pieces - 32#.
1/2 Gal., Metal, lithographed, packed 6 to case, no filler pieces -35#
1 Gal., Metal, lithographed, packed 6 to case, no filler pieces - ~~62~~# 60#
5 Gal., Metal, lithographed, 29 Ga., Shipping Wt. ~~51.0~~# 46.5#

PROCESS: Run #21 into mixer, turn on water in water jacket, add Filler and Asbestos. When temperature is below 300° F., add Kerosene. When temperature is below 200° F., add Naptha. Each batch must be approved by Laboratory.

RCD Operating Speed Production Crew Size Unit

Colors

BIRD 014598

PRODUCT SPECIFICATIONS

ISSUED DATE 4/24/73
REV. 1-4-77

DIVISION SHREVEPORT, LA.

MACHINE #

PRODUCT CODE ~~32-10-000~~ 3016

PRODUCT NAME SPECIAL FLASHING CEMENT

SUPERSEDES: 9/1/67

CODE	FORMULA	% By Wt.	Lbs.	Gallons
15400	#13-1/2 Asphalt	54.0	3828	524
39250	Kerosene	14.0	993	153
38000	VM & P Naphtha	14.0	993	159
13450	Asbestos 6D	9.0	638	
13650	Asbestos 7R	9.0	638	

Yield - 7019# 7.9# per Gallon
Loss - 1%
Consistency @ 77° Schutte Min. - 5 sec. Max. - 10 Sec.

Containers:
5 Gal. Drums - Metal, Lithographed, White on Black, 29 Ga. - Shipping Wt. - ~~49#~~ 42.5#
30 Gal. Drums - Plain, Black, Labels pasted on - Shipping Wt. - 295# (Reworked Drums)
52 Gal. Drums - Plain, Black, Labels pasted on - Shipping Wt. - 515# (Reworked Drums) 459#
1 Gal., plain metal cans, packed 6/case, no filler pieces, 56.0# (Special Order only)

PROCESS: #13-1/2 pumped into mixer, when temperature is below 325° F., add Kerosene, when thoroughly mixed and temperature is below 200° F., add Naphtha, and then the Asbestos.

RCD Operating Speed Production Crew Size Unit

Colors:

BIRD 014599

PRODUCT SPECIFICATIONS

DIVISION SHREVEPORT, LA. MACHINE #

PRODUCT CODE 3017 ~~32-12-000~~ PRODUCT NAME BUCA (BUILT-UP COLD APPLICATION ADHESIVE)

ISSUED DATE 4/24/73
REV.

SUPERSEDES: 4/28/64

CODE	FORMULA	% BY WT.	LBS.	GALLONS
15400	#17-1/2 Asphalt (175 - 180° S. P.)	50.6	4048	540
13650	Asbestos - 7R	12.0	960	
36600	Naphtha - Stoddard	37.4	2992	459

Yield - 7840# 8.1# per gallon
Loss - 2%
Consistency - Schutte - 3/4" Orifice - 30 Sec. @ 86°

CONTAINERS: 5 Gal. Cans - Labels Pasted on.
Shipping Wt. - 44#

Units per Crew Hour - 40
Man Hours per unit - 0.050

PROCESS: Run #17-1/2 into Mixer. Turn on water in cooling jacket. After temp. is below 300° F. add Naphtha. Allow this to mix completely and then add Asbestos. Fill containers after temperature is below 160°F.

RCD Operating Speed Production Crew Size Unit

Colors:

BIRD 014600

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PRODUCT SPECIFICATIONS

DIVISION SHREVEPORT, LA.

MACHINE #

ISSUED DATE 4/24/7

REV.

PRODUCT CODE 3020 ~~32 05 000~~

PRODUCT NAME LAP CEMENT

SUPERSEDES: 8/1/6(

CODE	FORMULA	% By Wt.	Lbs.	Gallons
15400	#13-1/2 Asphalt	65.0	5223	697
39250	Kerosene	22.0	1768	271
36600	Naphtha-Stoddard	7.5	603	96
13650	Asbestos 7R	5.5	442	
	Yield - 7956#	8.1 per gallon		
	Loss - 1%			

Consistency - Schutte - 3/4" Orifice - 6 Sec. @ 86°F.

Containers:

1 Pt. Cans

1 Gal. Cans - Plain - Labels pasted on. Packed 6 to case, no filler pieces per case. Wt. -60#

5 Gal. drums - Black - 29 Ga., labels pasted on. Shipping Wt. - 42.0#.

30 Gal. Drums - Black - Labels pasted on. Shipping Wt. - 265#. (Reworked drums)

52 Gal. Drums - Black - Labels pasted on. Shipping Wt. - 475#. (Reworked drums)

PROCESS: Run #13-1/2 into mixer. Turn on water in cooling jacket. When temperature is below 300°F. add Kerosene and Asbestos. When temperature is below 200°F., add Naphtha. Fill container when temperature is below 160°.

RCD Operating Speed _____ Production Crew Size _____ Unit _____

Colors: _____

BIRD 014601

PRODUCT SPECIFICATIONS

ISSUED DATE 4/24/73
REV. 11-25-74
1-4-77
SUPERSEDES: 12/27/63

DIVISION SHREVEPORT, LA. MACHINE # BIRD REFLECTO-COAT

PRODUCT CODE 3027 ~~30-05-000~~ PRODUCT NAME ALUMINUM ROOF COATING

CODE	FORMULA	% BY WT.	LBS.	GALLONS
	175			
14200	Asphalt - #2~~1~~	28	1120	149
36600	Naphtha-Stoddard	15	600	92
38000	Naphtha - VM & P	23	920	147
13750	Asbestos - PT-1	14	560	
12750	Al Paste - Alcoa #231	20	800	
		7.7		
	Yield - 3840# ~~427 Gal.~~ - ~~9.0~~#/Gal.			
	Loss - 4%			
	Consistency - Schutte @ 77° - 10 Sec.			
	8 to 12 Sec.			

Containers:
1 Gallon, plain, labels pasted on.
Packed 6 - 1 gallon cans per carton. Wt. ~~58.0#~~ 52.5# 42.5#
5 Gallon, plain, black - labels pasted on. Shipping Wt. - ~~47~~#
52 GALLON, METAL, BLACK, LABELS PASTED ON (REWORKED DRUMS) - 52.4#

PROCESS: Run #2~~1~~ 175 into mixer. Turn water on in cooling jacket. When temperature is below 250°F., add Stoddard Naphtha. After adding Stoddard completely add VM & P. After addition of VM & P add asbestos fibre. After fibre has been added and mixed, add Aluminum paste - breaking it up as it is added. Mix for 30 minutes after aluminum has been added and then obtain samples for testing.

RCD Operating Speed _____ Production Crew Size _____ Unit _____

Colors: _____

BIRD 014602