PLAINTIFF'S EXHIBIT JM-2470

MANUFACTURING SPECIFICATIONS	PRODUCT	DIVISION BP	SPEC. NO. RS-5
MANVILLE PLANT	Asbestos Siding Shingles Smooth Grain for Levitt 4x3		PAGE NO. 1
RIGID SHINGLES DEPT.			

CANCELLED 7/1/51

PRODUCT:

Smooth Grain Permatone Siding Shingles, being manufactured on S.P.P.I. for Levitt Bros.

Colors	Style	Texture
#3 Gray Colorgrain	Modified 107	Smooth Cedargrain
#7 Brown Colorgrain	Mofified 107	Smooth Cedargrain
Green Colorgrain	Modified 107	Smooth Cedargrain

FORMULA:

P.S. No.	Material	Batch Lbs.	%
-	Dan. 6D20 Fibre	250#	14.2%
61281	JM Special Silica Flour	400	22.6
RS 62:1 or 84	Willowed Flexboard or Corrugated Transite Scrap	50	3.3
RS 61 & 61:2	Ground Siding Shingle	500	28.3
61061	Portland Cement, Std. Atlas	564	31.6
	Total	1764#	100.0%

Note: Up to 50# of machine drop from the same or other machines manufacturing similar stock may be added to the base.

Up to 50# of material from the dust collector may be added to the base.

GRANULE USAGE:

Color	Purch. Spec.	Granule	Percent
Green Colorgrain	61619	Minn. #3628 Green	90%
	61604	Minn. #5028 Black	10%
#3 Gray Colorgrain	61604	Minn. #5028 Black	60%
	61603	Minn. #5628 Gray	40%
#7 Brown Colorgrain	61616	Minn. #4028 Brown	60%
	61615	Minn. #6328 Buff	30%
	61619	Minn. #2228 Red	10%

Note: Granule Usage shall be between 1-3/64 oz. and 1-1/16 oz. per Sq. Ft. or 6.7 lbs. per 100 Sq. Ft.

X— INDICATES CHANGE — REASON: To establish a Specification covering production of Levitt type Permatone Shingles on SPPI.

AUTHORITY FOR CHANGE — Letter L. L. Liggett to H. C. Ellison 7/14/49

MT-000498

FILE-HOLDERS	Ind. Eng.	Mkg.		SUPR. QUAL. CONTROL	PROD. SUPT.	PLANT FINANCE OFFICE	RESEARCH LAB.	MGR. QUAL. CONTROL	DIR. QUAL. CONTROL

SUPERSEDES: None: New Spec. File in numerical order.

DATE ISSUED SEP 9 1949

M 50132-10
ITED IN U.S.A.

MANUFACTURING SPECIFICATIONS

MANVILLE DEPT.

RIGID SHINGLES PLANT

PRODUCT: Asbestos Siding Shingles Smooth Grain for Levitt

DIVISION BP

4 of 3

SPEC. NO. RS-5

PAGE NO. 1.

CANCELLED 2/20/53

PAPER TRADE JOURNAL RESEARCH

MAY 16 1951

PRODUCT:

Smooth Grain Permatone Siding Shingles being manufactured on S.P.P.I. for Levitt Bros.

Colors	Style	Texture
#3 Gray Colorgrain	Modified 107	Smooth Cedargrain
#7 Brown Colorgrain	Modified 107	Smooth Cedargrain
Green Colorgrain	Modified 107	Smooth Cedargrain

X FORMULA:

P.S. No.	Material	Lbs.	%
-	6D20 Fibre	300	18.0
61281	J.M. Special Silica Flour	300	18.0
RS 61 or RS 61:2	Ground Siding Shingle or Corrugated Transite Scrap	590	35.5
61061	Portland Cement Std. Atlas	470	28.5
		1660#	100%

Note: Up to 50# of machine drop from the same or other machines manufacturing similar stock may be added to the base.

Up to 50# of material from the dust collector may be added to the Base.

GRANULE USAGE:

Color	Purch. Spec.	Granule	Percent
Green Colorgrain	61619	Minn. #3628 Green	90%
	61604	Minn. #5028 Black	10%
X #3 Gray Colorgrain	61604	Minn. #5028 Black	60%
	61606	Minn. #5828 Gray	40%
#7 Brown Colorgrain	61616	Minn. #4028 Brown	60%
	61615	Minn. #6328 Buff	30%
	61613	Minn. #2228 Red	10%

Note: Granule Usage shall be between 1-3/64 oz. and 1-1/16 oz. per Sq. Ft. or 6.7 lbs. per 100 Sq. Ft.

RETURN TO J-M RESEARCH

RECEIVED MAY 14 1951

X—INDICATES CHANGE — REASON: Revise Formula and change P.S. and Granule No. for Gray.

AUTHORITY FOR CHANGE — To agree with the 1951 S.P.P.I.

E. R. WILLIAMS

FILE-HOLDERS	Ind.Eng.	Wkg.		SUPR. QUAL. CONTROL	PROD. SUPT.	PLANT FINANCE OFFICE	RESEARCH LAB.	MGR. QUAL. CONTROL	DIR. QUAL. CONTROL

SUPERSEDES: Page 1 of same Spec. issued 9/9/49.

DATE ISSUED MAY 11 1951

50132-10 ED IN U. S. A.

MT-000497

COPY FORM	INITIALS	DATE
		12/3/2002

BOX NUMBER	SEGMENT NO.	REQUESTING PARTY
P-462		Baron & Budd

NOTES