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June 12, 1956
Chicago
Bert Osen

Class 7400

Aluminum flake, in natural aluminum color plus other metals in natural color.

- 7400 - 7419 Aluminum paste, leafing.
- 7420 - 7439 Aluminum paste, non leafing.
- 7440 - 7459 Aluminum powder, leafing.
- 7460 - 7479 Aluminum powder, non leafing and other non colored pigments as lead and stainless steel.
- 7480 - 7499 Colored metallic flake pigments - including gold, orange, red, blue, and violet.

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Number	Grade	Alcoa	M. D.	Reynolds	U. S. Bronze
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Aluminum Pastes, Leafing

74N4	100M Coarse Paste	230	462		
74Y6	100M " "	231			
74C9	200M " "			3A	
74C32	200M " "			3	
74C5	325M Standard Lining Paste	205	565	30	Venus Standard
74A3	325M " " " "	209	565W		
74C7	325M " " " "		535		
74C11	325M " " " "	240			
74C18	325M " " " "			131	
74C27	325M " " " "	215			
74C30	325M " " " "			37	
74P7	325M " " " "		566		
74Y3	325M " " " "		151	30B	
74C0	400M Extra Fine Lining Paste	1570	766	40	Extra Fine Paste
74E5	400M " " " "	1571	734	42	Extra Fine Paste
74C12	400M " " " "			45	
74L4	400M " " " "	1578			
74C16	Doctor Paste for Dehydrating	S242			
74C29	Alum. Strontium Chromate Paste			7392	

Aluminum Pastes, Non Leafing

7437	Standard Leaf Free Paste			37LN	
7439	" " " "			39LN	
74C25	" " " "	221			
74D23	" " " "			371LN	
74L7	" " " "	221			
74N5	" " " "		584		
7421	Extra Fine Leaf Paste	1593		40LN	Extra Fine N-L
74D22	" " Non Leafing Paste		784		
74A4	Leaf Free Alum. Tinting Paste	222			
74C17	" " " "	222			
74C24	" " " "	1595			
74L9	" " " "	222			
74T1	" " " "	222			

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Approximate
Covering Area
on Water of
Dry Flake
Sq. Centimeters
per Gram

Leafing Value
1.5 Gram Sample
3.0 Gram Sample*

Residue
325 Mesh
%Maximum

NVM
%Minimum

Bulk
Gal./100#

Wt./Gal. Number

8,000	75*	5.0	65	8.2	12.10	74N4
10,000	80*	5.0	74	7.05	14.20	74Y6
10,000	60	10-14	68	8.0	12.45	74C9
10,000	60	15	73.5	7.4	13.45	74C32
15,000	60	1.0	65	8.2	12.10	74O5
17,000	65	1.0	65	8.2	12.10	74A3
15,000	60	1.0	65	8.2	12.10	74C7
15,000	70	.3	74	7.32	13.68	74C11
15,000	-	2.0	60	8.2	12.10	74C18
14,000	65	3.0	65	8.1	12.25	74C27
18,000	70	1.0	73.5	7.4	13.45	74C30
18,000	65	1.0	74	7.3	13.75	74P7
18,000	70	1.0	65	8.2	12.25	74Y3
25,000	60	.1	65	8.1	12.25	7410
25,000	65	.1	65	7.9	12.70	7415
25,000	60	.1	66.5	7.9	12.70	74C12
25,000	70	.0	72	7.41	13.49	74L4
-	-	-	-	-	-	74C16
15,000	60	1.0	72.5	7.28	13.72	74C29
cannot be determined	non leafing	1.0	73.5	7.4	13.60	7437
"	" "	1.0	66	8.0	12.45	7439
"	" "	.5	65.5	8.2	12.10	74C25
"	" "	1.0	65	8.0	12.45	74D23
"	" "	.5	65.5	8.2	12.10	74L7
"	" "	.5	65	8.2	12.10	74N5
"	" "	.0	65.5	8.11	12.36	7421
"	" "	.1	65	8.2	12.10	74D22
"	" "	.0	65.5	8.2	12.10	74A4
"	" "	.0	65.5	8.2	12.10	74C17
"	" "	.0	65.5	8.11	12.36	74C24
"	" "	.0	65.5	8.2	12.10	74L9
"	" "	.0	65.5	8.2	12.10	74T1

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Number	Grade	Alcoa	M. D.	Reynolds	U. S. Bronze
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Aluminum Powders

74A1	200M	Polished Powder-Std. Varn. Powder	322	2100	5xD	53
74F7	200M	" " " " "				53
74C5	325M	" " " Lining "				Venus R. M. +
74N1	325M	" " " " "	408	5100	30XD	Super Fine
74C28	325M	Low Grease-Lin. Litho		T288		7017
74L6	325M	" " " " "	552			
74Y7	325M	" " " " "		3100		
74D4I	400M	" Ex. Fine Lin. Powder	422	7100	40XD	XXX
74L1	400M	" " " " "	422	7100	40XD	XXX
74M1	400M	" " " " "	422	7100	40XD	XXX

Approx.
Covering Area
on Water
Sq. Centimeters
per Gram

Average Mesh Size Average Leafing Value Bulk Gal./100# Number

10,000	92% thru 325 mesh	80% (2.0 gram sample)	4.6	74A1
10,000	92% " " "	80% (2.0 gram sample)	4.8	74F7
17,000	97% " " "	75% (1.0 " ")	4.8	74C5
17,000	97% " " "	70% (1.0 " ")	4.8	74S1
cannot be determined	98% " " "	non leafing	4.7	74C28
" " "	98% " " "	" "	4.81	74L6
" " "	97% " " "	" "	4.8	74V7
29,000	100% " " "	75% (1.0 gram sample)	4.8	74Dhi
29,000	100% " " "	75% (1.0 gram sample)	4.8	74L1
29,00	100% " " "	75% (1.0 gram sample)	4.8	74M1

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Metallic Falke Pigment
other than Aluminum

Number	Name	M. D. Bronze	Fineness	Mesh Size	Bulk Gal./ 100#	Coverage Sq. Cm. per Gram of Powder Evenly Dispersed on Water
74C19	Argyle Pale Gold	30-L	Med. Fine	89% thru 325M	1.5	2200
74C20	Ensign Deep Gold	30-L	" "	89% " "	1.5	2200
74C21	Druid Copper	30-L	" "	89% " "	1.5	2200
74C22	Cordova Gold	30-L	" "	89% " "	1.5	2200
74Y4	Std. Bright Copper	450B	Fine	90% " "	1.5	3800
74Y5	Rich Pale Gold	30D	Med. Fine	89% " "	1.5	1900
-	Std. Bright Copper	150A	Coarse	75% " "	1.5	2200
-	" " "	450A	Fine	95% " "	1.5	4300
-	" " "	650A	Ex. Fine	98% " "	1.5	4700
-	" " "	650B	" "	99% " "	1.5	5500
74C8	Venus Smooth Copper	46	Med. Fine	95% " "	1.5	4400
74C15	" " Pale Gold	108	" "	95% " "	1.5	4400
74C31	" Pale Gold	7	Coarse	75% " "	1.5	2200
74D84	Copper Bronze	903XX	Ex. Fine	98% " "	1.5	4700
74F2	Ex. Fine Lin. Pale Gold	105	" "	98% " "	1.5	4700
74F3	Rich Pale Gold Lining	909XX	Super Fine	99% " "	1.5	5600
74F4	Rich Gold Lining	901XX	" "	99% " "	1.5	5600
74F6	Venus Smooth Pale Gold	108	Med. Fine	95% " "	1.5	4400
74F8	Pale Gold	100	-	-	1.5	-
74Y2	Metal Lead Paste- 90% Lead	-	-	80% " "	2.5	-

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Remarks

Leafing Aluminum Pastes

The coarser grades of leafing pastes produce the most brilliant finishes with the greatest diffuse reflectivity, also the roughest finish. The finer pastes produce finishes with greater specular reflectivity, and a smooth high gloss surface.

- 7405 - An all-around pigment for inside and outside use.
- 7410 - For paints and varnish base inks and industrial finishes.
- 7415 - For paints, lacquer and synthetic resin base inks and finishes.
- 74A3 - High diffuse reflectivity - gives films of uniform appearance and suppressed highlighting on large exterior surfaces; i.e., tanks, sheet metal and other structures.
- 74C7 - For pigmenting lacquers and synthetic resin base vehicles.
- 74C9 - Utility grade for maintenance work, structural steel, roof coatings, etc., where maximum brilliance is desired and smoothness is not a factor.
- 74C11 - Gives high gloss and mirror-like appearance.
- 74C12 - Meets Military Specification, MIL-L-8641 (AER).
- 74C18 - Water dispersible - has special solvent.
- 74C27 - Gives paint film roughened texture and produces films of the highest diffusivity possible.
- 74C30 - For product finishes - best metallic and mirror-like appearance obtained from the standard pastes.
- 74C32 - Same as 74C9 - also good for hi-heat aluminum paints.
- 74L4 - Designed for product finishes and general uses where an extra fine chrome-like appearance is desired.
- 74N4 - Use is particularly for asphalt roof coatings.
- 74P7 - For Industrial Finishes - has standard lining pigment value with smoothness and appearance approaching the extra fine lining grade.
- 74Y3 - A high-pigment volume paste providing high covering with excellent stability yielding a softer consistency.
- 74Y6 - Same use as 74C9.

74C16 - Prevents the formation of gas. One ounce per gallon is recommended.

74C29 - Best pigment where rust, chemical, salt and weather resistance is desired.

Non Leafing Aluminum Pastes

Non leafing pigments generally have little effect on the smoothness of the finish, especially in thicker films. However, the coarse types produce more sparkle, especially in polychromatic finishes. The fine types result in a dull metallic finish.

7421 - Same as 7410 but completely non-leafing.

7437 - Used for automotive, industrial and decorative finishes.

7439 - Provides maximum sparkle effect.

74D22)
74N5) - For paints in synthetic resin varnishes and lacquer finishes.

74C25)
74L7) - Same as 7405 but completely non leafing.

74A4)
74C17)
74C24) - All used for automotive finishes.
74L9)
74T1)

Aluminum Powders

The same characteristics apply for powders as pastes. They are used where the use of a paste is impractical.