

SUBJECT 2023-3, Subject 14—DEFERRED SUBJECT

Re: Windows, bank drive-up or walk-up

Contact: Angela L. Li Telephone — (703) 838-1882 angela.li@nmfta.org

Proponent: Freight Classification Development Council

Present Classification Provisions

Item	Description	Class
	BUILDING MATERIALS, MISCELLANEOUS, GROUP: subject to item 33570	
35540	Windows (Sash or Sash and Frames combined), NOI, glazed, with or without screens or necessary hardware:	
Sub 1	In boxes, crates or Package 2442, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 2	Less than 6	300
Sub 3	6 but less than 10	150
Sub 4	10 or greater.....	77.5
Sub 5	In packages other than boxes, crates or Package 2442, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 6	Less than 6	400
Sub 7	6 but less than 10	175
Sub 8	10 or greater.....	85
	BUILDING METALWORK GROUP: subject to item 35600	
37375	Windows, bank drive-up or walk-up, steel, see Note, item 37377, in boxes or crates.....	85
37377	NOTE—Applies only on flush or bay types, with clerks' working counters or tops, with or without electrically or manually operated drawers, with or without glass, with or without electrical wiring, or lighting, heating, defrosting or communications speaker units, but not including other electrical communications or visual apparatus nor pneumatic transmission apparatus nor cameras.	

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Proposed Classification Provisions

Item	Description	Class
⇒35540	Windows (Sash or Sash and Frames combined) , NOI, glazed, with or without screens or necessary hardware:	
Sub 1	In boxes, crates or Package 2442, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 2	Less than 4	400
Sub 3	4 but less than 8	200
Sub 4	8 but less than 12	110
Sub 5	12 or greater.....	92.5
Sub 6	In packages other than boxes, crates or Package 2442, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 7	Less than 4	500
Sub 8	4 but less than 8	250
Sub 9	8 but less than 12	125
Sub 10	12 or greater.....	100
	BUILDING METALWORK GROUP: subject to item 35600	
37375	Windows , bank drive-up or walk-up, steel, etc	⇒Cancel; see item 35540
37377	NOTE—⇒Cancel; no further application.	

Analysis

Introduction

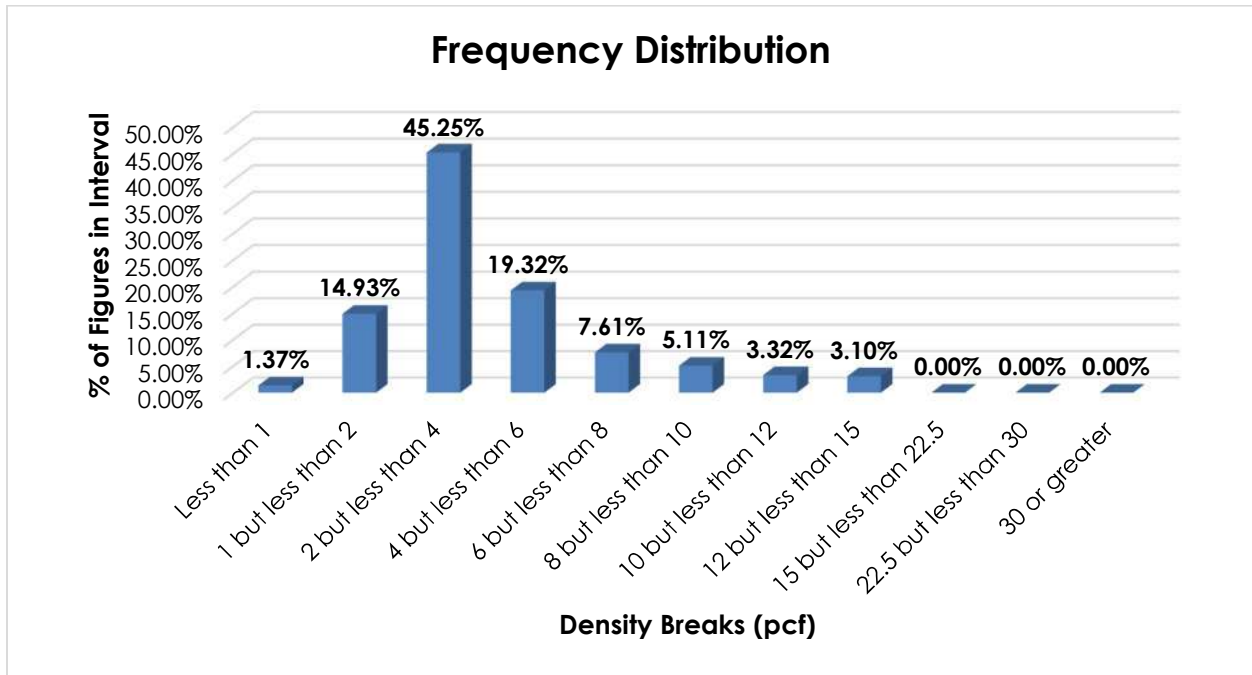
This proposal responds to the summation of Research Project 1519, which sought to review the transportation characteristics of steel bank drive-up or walk-up windows, as named in item 37375. During the course of research, the project was expanded to include other types of service or transactional windows. This proposal was initially discussed by the FCDC at its public meeting on October 3, 2023, in Alexandria, VA. Following discussion regarding the transportation characteristics of these commodities, the FCDC voted to defer disposition of this proposal pending further review.

Transportation Characteristics

Density—The information of record includes 49,813 density observations obtained from the FCDC’s Density Study¹. The densities range from 0.02 to 14.64 pcf, with an overall average density of 4.24 pcf. As shown in the graph on the following page, the density distribution is right-skewed. Density breaks at 4, 8, and 12 pcf reflect the modality and spread of the distribution.

¹ The Density Study is part of an ongoing effort by the FCDC to collect information on actual shipments across all product categories handled by the LTL industry. Carriers that choose to participate in the Study periodically submit shipment data captured through their respective freight auditing programs. The FCDC uses verifiable data points, identified by NMFC item, that include the weight and the dimensions and/or cube of the shipping unit.

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When the data is evaluated based on the proposed density breaks at 4, 8, and 12 pcf, the density ranges and averages shown in the table below emerge.

Density Groups (pcf)	Density Range (pcf)	Average Density (pcf)
Less than 4	0.02 – 3.99	2.51
4 but less than 8	4.00 – 7.99	5.44
8 but less than 12	8.00 – 11.99	9.70
12 or greater	12.00 – 14.64	13.26

Handling—Windows may be tendered in boxes or crates, or in Package 2442, or in packages other than boxes, crates or Package 2442. When tendered for shipment in boxes secured on lift truck skids or pallets, crates or in Package 2442, handling concerns can be mitigated; though, some issues still exist due to the inherent fragility of windows. Articles shipped in packages that provide minimal exterior protection necessitate additional care and attention when handling the freight to avoid damage.

Stowability—When windows are tendered in boxes or crates, or in Package 2442 a flat load-bearing surface will typically be present, which can allow for loading other freight on top of the handling unit. There will typically be lateral support for adjacent freight as well. However, the freight must be compatible with windows to mitigate the risk of damage to these inherently fragile commodities.

When tendered in packages other than boxes, crates or Package 2442, a regular load-bearing surface for top freight or lateral support for adjacent freight may not be present. This can result in increased time and effort for the carrier to properly structure the vehicle load to mitigate the chance of damage to the products. Extra care and attention must be taken to only stow compatible freight adjacent to and on top of the involved commodities. Regardless of method of tender, stowing these articles presents problems due to their fragility.

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Liability—The involved commodities are not perishable, hazardous in nature, nor likely to damage other freight. However, these articles do have an increased propensity to damage due to their inherent fragility, when tendered in packages other than boxes or crates, or Package 2442, windows exhibit an even greater susceptibility to damage.

Conclusion

Based on the foregoing analysis, this proposal would cancel item 37375 with reference to item 35540. While the current provisions of item 35540 are reflective of the added handling, stowing and liability considerations associated with transporting windows when tendered in boxes, crates or Package 2442 and the more exacting handling, stowing and liability characteristics when tendered in packages other than boxes, crates or Package 2442, they are no longer reflective of the densities exhibited by windows. Density breaks at 4, 8 and 12 pcf² more accurately reflect the distribution of densities.

The table below relates the information of record to the proposed density groupings, FCDC guideline classes, and the class adjustments to reflect the identified negative handling, stowing and liability considerations when packaged in boxes, crates or Package 2442, and when shipped in packages other than boxes, crates or Package 2442.

Density Group (pcf)	Average Density (pcf)	Class Based on FCDC Density Guidelines	Class Adjustment for Windows Tendered in boxes, crates or Package 2442	Class Adjustment for Windows Not Tendered in boxes, crates or Package 2442
Less than 4	2.51	300	400	500
4 but less than 8	5.44	175	200	250
8 but less than 12	9.70	100	110	125
12 or greater	13.26	85	92.5	100

Note, item 37377 would be canceled with no further application.

² The density provisions include reference to Item (Rule) 170, the inadvertence clause.

SUBJECT 2023-3, Subject 7—DEFERRED SUBJECT

Re: Asphalt Group

Contact: Angela L. Li Telephone — (703) 838-1882 angela.li@nmfta.org

Proponent: Freight Classification Development Council

Present Classification Provisions

Item	Description	Class
15200	ASPHALT GROUP: Articles consist of Asphalt, Pitch or Tar, as described in items subject to this grouping.	
15220	Asphalt (Asphaltum), natural, by-product or petroleum, liquid, other than paint, stain or varnish and not required by the U.S. Department of Transportation to bear a Hazard Class or Hazard Division label or placard, see Note, item 15221, in containers in boxes, or in drums, pails or Package 2080	55
15221	NOTE—Does not apply on materials regulated by the U.S. Department of Transportation as hazardous and required to bear a Hazard Class or Hazard Division label or placard. For classes applicable to such hazardous materials, see provisions elsewhere in this Classification.	
15240	Asphalt (Asphaltum), natural, by-product or petroleum, solid, see Note, item 15242, in packages	55
15242	NOTE—Asphalt or pitch, the melting point of which is 140 degrees or less Fahrenheit, as determined by the Ball and Ring test in water or by the ½ inch Cube test in water, must be in metal cans in boxes or crates, or in steel drums. Asphalt or pitch may be shipped in eight-ply fiber drums, each ply testing not less than 100 pounds (Mullen), total wall thickness not less than ⅛ inch, with metal tops and bottoms, or in 3 ½-gallon nonreusable pails made of 28-gauge steel, covers securely fastened with lugs.	
15260	Pitch, brewers' or pine, in bags, boxes or drums	55
15270	Pitch, lignin, dry, see Note, item 15272, in bags or drums	55
15272	NOTE—Lignin pitch is dehydrated or powdered lignin liquor.	
15280	Pitch, montan, in bags	55
15300	Pitch, NOI, ground, in bags or drums	55
15310	Pitch, NOI, not ground, see Note, item 15242, in boxes, crates or drums, or in bulk in packages	55
15320	Pitch, tall oil, in drums	55
15360	Tar or Pitch, candle, in drums	55
15380	Tar, coal or petroleum, not required by the U.S. Department of Transportation to bear a Hazard Class or Hazard Division label or placard, see Note, item 15221, in metal cans in boxes, or in drums or pails, see Note, item 15382.....	55
15382	NOTE—Will also apply on solid coal or petroleum tar, the melting point of which is over 140 degrees Fahrenheit, as determined by the Ball and Ring test in water or by the ½ inch Cube test in water, when shipped in fiber drums.	
15400	Tar, hardwood, in drums	55

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Present Classification Provisions — Concluded

Item	Description	Class
	ASPHALT GROUP: subject to item 15200	
15420	Tar , NOI, not required by the U.S. Department of Transportation to bear a Hazard Class or Hazard Division label or placard, see Note, item 15221, in metal cans in boxes, or in drums55	55
15440	Tar , pine, in containers in boxes or drums, or metal cans in crates, or in bulk in drums55	55
33660	Asphalt Flooring Compound , NOI, solid (Mastic Blocks).....55	55
33680	Asphalt Flooring Compound , NOI, liquid or paste:	
Sub 1	In containers in boxes or drums60	60
Sub 2	In bulk in drums or in Package 2080.....55	55
33700	Asphalt Paving Blocks:	
Sub 1	Loose60	60
Sub 2	In packages50	50
50295	Compounds , sewer pipe joint, NOI, asphalt, in open top drums, or in cakes weighing each 75 pounds or over, circumference bound with metal and top and bottom coated with clay.....55	55
	GREASE: subject to item 90800	
90950	Lubricating , asphalt base, containing not less than 85 percent asphalt, melting point 225 degrees Fahrenheit or higher, in block form55	55
	ROOFING OR SIDING MATERIALS GROUP: subject to item 170000	
170080	Coating , roofing, having asphalt, pitch, rosin or tar base, other than paint, stain or varnish and not required by the U.S. Department of Transportation to bear a Hazard Class or Hazard Division label or placard, see Note, item 170081, in inner containers in boxes, or in drums or pails55	55
170081	NOTE—Does not apply on materials regulated by the U.S. Department of Transportation as hazardous and required to bear a Hazard Class or Hazard Division label or placard. For classes applicable to such hazardous materials, see provisions elsewhere in this Classification.	

Proposed Classification Provisions

Item	Description	Class
15200	ASPHALT GROUP , etc..... ⇒Cancel; no further application	
15220	Asphalt (Asphaltum) , natural, by-product or petroleum, liquid, other than paint, stain or varnish and not required by the U.S. Department of Transportation to bear a Hazard Class or Hazard Division label or placard, see Note, item 15221, etc..... ⇒Cancel; see item A-NEW	
15221	NOTE—⇒Cancel; see item B-NEW.	
15240	Asphalt (Asphaltum) , natural, by-product or petroleum, solid, etc. ⇒Cancel; see item A-NEW	

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Proposed Classification Provisions — Continued

Item	Description	Class
	ASPHALT GROUP: subject to item 15200	
15242	NOTE—⇒Cancel; no further application.	
15260	Pitch , brewers' or pine, etc	⇒Cancel; see item A-NEW
15270	Pitch , lignin, dry etc	⇒Cancel; see item A-NEW
15272	NOTE—⇒Cancel; no further application.	
15280	Pitch , montan, etc.....	⇒Cancel; see item A-NEW
15300	Pitch , NOI, ground, etc	⇒Cancel; see item A-NEW
15310	Pitch , NOI, not ground, etc.....	⇒Cancel; see item A-NEW
15320	Pitch , tall oil, etc	⇒Cancel; see item A-NEW
15360	Tar or Pitch , candle, etc.....	⇒Cancel; believed to be obsolete
15380	Tar , coal or petroleum, etc.....	⇒Cancel; see item A-NEW
15382	NOTE—⇒Cancel; no further application.	
15400	Tar , hardwood, etc.....	⇒Cancel; see item A-NEW
15420	Tar , NOI, not required by the U.S. Department of Transportation to bear a Hazard Class or Hazard Division label or placard, etc.....	⇒Cancel; see item A-NEW
15440	Tar , pine, etc	⇒Cancel; see item A-NEW
33660	Asphalt Flooring Compound , NOI, solid, (Mastic Blocks)	⇒Cancel; see item A-NEW
33680	Asphalt Flooring Compound , NOI, liquid or paste, etc	⇒Cancel; see item A-NEW
33700	Asphalt Paving Blocks , etc	⇒Cancel; see item A-NEW
50295	Compounds , sewer pipe joint, NOI, asphalt, etc	⇒Cancel; see item A-NEW
	GREASE: subject to item 90800	
90950	Lubricating , asphalt base, containing not less than 85 percent asphalt, melting point 225 degrees Fahrenheit or higher, in block form.....	⇒Cancel; see item A-NEW

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Proposed Classification Provisions — Concluded

Item	Description	Class
	ROOFING OR SIDING MATERIALS GROUP: subject to item 170000	
170080	Coating , roofing, having asphalt, pitch, rosin or tar base, other than paint, stain or varnish and not required by the U.S. Department of Transportation to bear a Hazard Class or Hazard Division label or placard, etc ⇒Cancel; see item A-NEW	
170081	NOTE—⇒Cancel; no further application.	
⇒A-NEW	Asphalt , NOI, other than paint, stain or varnish; or Pitch or Tar , NOI; not required by the U.S. Department of Transportation to bear a Hazard Class or Hazard Division label or placard, see Note, item B-NEW, in bags, boxes, pails or drums, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 22.5.....	85
Sub 2	22.5 but less than 30.....	65
Sub 3	30 or greater.....	55
⇒B-NEW	NOTE—Does not apply on materials regulated by the U.S. Department of Transportation as hazardous and required to bear a Hazard Class or Hazard Division label or placard. For classes applicable to such hazardous materials, see provisions elsewhere in this Classification.	

Analysis

Introduction

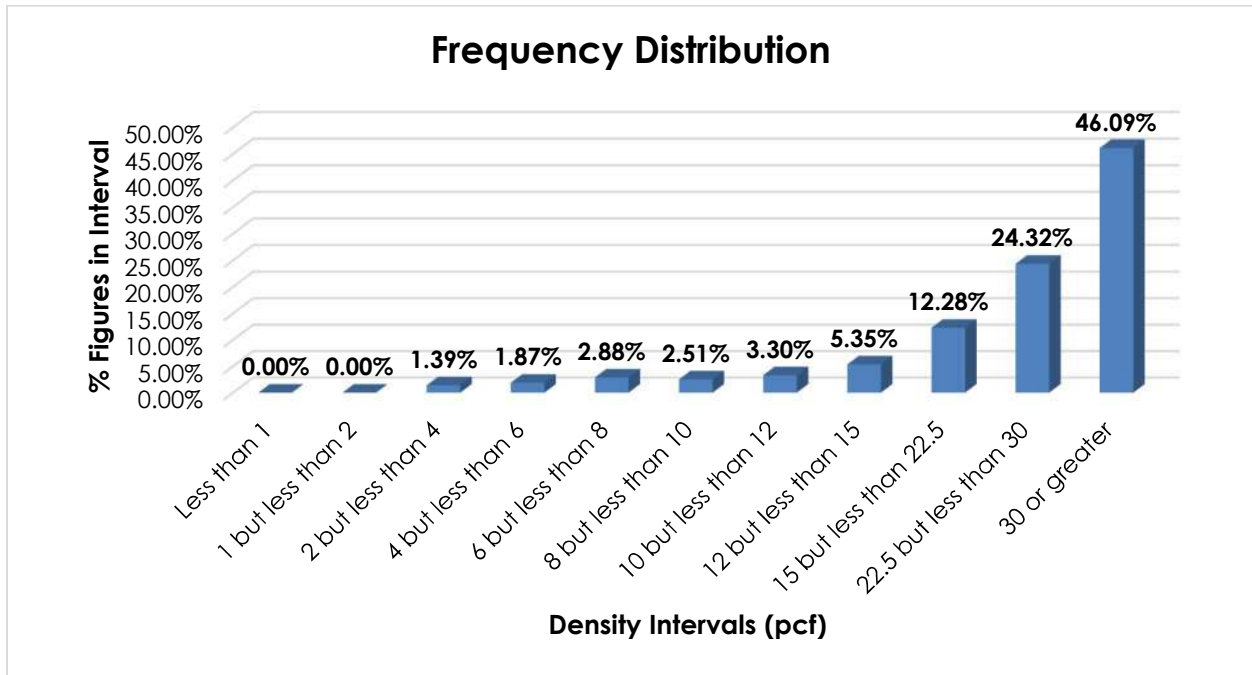
This proposal was initiated to review the transportation characteristics of all items subject to the Asphalt Group. This proposal was initially discussed by the FCDC at its public meeting on October 3, 2023, in Alexandria, VA. During that meeting, comments were made regarding potential interpretation issues with other asphalt-related items. As a result, the FCDC voted to defer disposition of this proposal pending further review.

Transportation Characteristics

Density—The information of record includes 6,916 density observations obtained from the FCDC’s Density Study¹. The densities range from 1.59 to 91.01 pcf, with an overall average density of 29.91 pcf. As shown in the graph on the following page, the density distribution is left-skewed, with over 82% of the figures being 15 pcf or greater. Density breaks at 22.5 and 30 pcf reflect the modality and spread of the distribution.

¹ The Density Study is part of an ongoing effort by the FCDC to collect information on actual shipments across all product categories handled by the LTL industry. Carriers that choose to participate in the Study periodically submit shipment data captured through their respective freight auditing programs. The FCDC uses verifiable data points, identified by NMFC item, that include the weight and the dimensions and/or cube of the shipping unit.

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When the data is evaluated based on the proposed density breaks at 22.5 and 30 pcf, the density ranges and averages shown in the table below emerge.

Density Groups (pcf)	Density Range (pcf)	Average Density (pcf)
Less than 22.5	1.59 – 22.48	13.17
22.5 but less than 30	22.50 – 29.99	26.11
30 or greater	30.00 – 91.01	42.54

Handling, Stowability and Liability—There have been no reports of unusual or significant handling, stowability or liability issues.

Conclusion

Based on the foregoing analysis, all of the items in the Asphalt Group, as well as items 50295, 90950 and 170080, would be canceled with reference to a new item, naming “Asphalt, NOI, other than paint, stain or varnish; or Pitch or Tar, NOI.” The new item would be restricted to asphalt, pitch or tar not regulated as hazardous by the U.S. Department of Transportation, and would provide classes predicated on density, with breaks at 22.5 and 30 pcf². The table on the following page shows the average densities and minimum average density guidelines for each density group.

² The density provisions would include reference to Item (Rule) 170, the inadvertence clause.

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Density Groups (pcf)	Average Density (pcf)	FCDC Minimum Average Density Guideline (pcf)	Class based on FCDC Density Guidelines
Less than 22.5	13.17	12	85
22.5 but less than 30	26.11	22.5	65
30 or greater	42.54	35	55

Item 15360 would be canceled as obsolete.

Note, item 15221 would be canceled with reference to a new Note attendant to the new item. Additionally, Notes, items 15242, 15272, 15382, and 170081 would be canceled with no further application.

The FCDC's Packaging Development Manager has reviewed the proposed minimum packaging requirements, i.e. "in bags, boxes, pails or drums," and determined that they are appropriate for the LTL environment.