

ASPHALT SHINGLE PRODUCTS THAT CONFORM TO THE 2006 INTERNATIONAL RESIDENTIAL CODE (IRC) AND 2006 INTERNATIONAL BUILDING CODE (IBC), AS MODIFIED WITH 2006 TEXAS REVISIONS

EFFECTIVE JANUARY 1, 2008 (REVISED February 1, 2012)

The 2006 IRC and IBC, with 2006 Texas Revisions, require asphalt shingle roof coverings installed in areas where the basic wind speed is 110 mph or higher to conform to ASTM D 3161, Class F, or as an alternative, determined in accordance with ASTM D 6381 and UL 2390. Shingle product wrappers that are not labeled as conforming to one of the following test standards (ASTM D 3161, Class F; ASTM D6381 and UL 2390, Class G or H; or ASTM D 7158, Class G or H) are not acceptable for installation on structures seeking TWIA insurance eligibility.

Asphalt shingle manufacturers have tested their asphalt shingle roof covering products to these standards and the asphalt shingle wrappers shall bear a label indicating compliance with ASTM D 3161, Class F or using one of the alternative methods listed. Asphalt shingles tested to ASTM D 36161, Class F, are appropriate for installation on sloped roofs. (Reference: IRC Sect. R905.2.6 and IBC Sect. 1504.1.1) As an alternative, asphalt shingles may be tested to determine the resistance of the sealant to uplift force using ASTM D 6381 and for the installation to be designed using UL 2390 to determine appropriate uplift and force coefficients applied to the shingle. (Reference: IBC Sect. 1609.5.2) The alternative method is not referenced in the IRC, but may be applied to residential structures. Asphalt shingles tested to ASTM D 6381 are appropriate for the installation on sloped roofs. ASTM D 7158 combines ASTM D 6381 and UL 2390 into one standard. ASTM D 7158 is not referenced in the 2006 IRC or IBC. ASTM D 7158 is referenced in the 2007 Supplement to the 2006 IRC and IBC, and most manufacturers have embraced ASTM D 7158 testing and labeling of their products. Asphalt shingles tested to ASTM D 7158 are appropriate for the installation on the sloped roofs.

Wind Resistance of Asphalt Shingles Summary:

ASTM D 3161, Class F – Asphalt shingles tested and labeled on the wrapper as conforming to ASTM D 3161, Class F are acceptable for installation where the basic wind speed is less than or equal to 130 mph.

Alternative Test Methods:

ASTM D 6381 UL 2390 – Asphalt shingles tested and labeled on the wrapper as conforming to ASTM D 6381 and UL 2390, Class G are acceptable for installation where the basic wind speed is less than or equal to 120 mph. Asphalt shingles tested and labeled on the wrapper as conforming to ASTM D 6381 and UL 2390, Class H are acceptable for installation where the basic wind speed is less than or equal to 130 mph.

ASTM D 7158 – Asphalt shingles tested and labeled on the wrapper as conforming to ASTM D 7158, Class G are acceptable for installation where the basic wind speed is less than or equal to 120 mph. Asphalt shingles tested and labeled on the wrapper as conforming to ASTM D 7158, Class H are acceptable for installation where the basic wind speed is less than or equal to 130 mph.

APPLICABILITY OF ASPHALT SHINGLE TESTS TO CATASTROPHE ZONES			
ZONE	BASIC WIND SPEED	ASTM D 3161	ASTM D 6381/UL 2390 OR ASTM D 7158
INLAND II	110	Class F	Class G or Class H
INLAND I	120	Class F	Class G or Class H
SEAWARD	130	Class F	Class H

Notes: Asphalt shingles must conform to the appropriate classification for either ASTM D 3161, ASTM D 6381/UL 2390, or ASTM D 7158. Conformance with more than one standard is not required.

Note: The superscript “3” indicates the shingle is a three-tab shingle product.

TEXAS DEPARTMENT OF INSURANCE WINDSTORM INSPECTIONS

2006 IRC and IBC Asphalt Shingle Products				Wrapper Label Standard Reference		
New or Revised	Manufacturer	Product	Plant Location	ASTM D3161 Class	ASTM D6381 UL 2390 Class	ASTM D7158 Class
	Atlas Roofing Corporation	Glass Master 25 ³ , GlassMaster ³	Ardmore, OK	F	H	H
	Atlas Roofing Corporation	Glass Master 25 ³ , GlassMaster ³	Hampton, GA	F	H	H
	Atlas Roofing Corporation	Pinnacle 35, Pinnacle	Daingerfield, TX	F	H	H
	Atlas Roofing Corporation	Pinnacle 35, Pinnacle	Meridian, MS	F	H	H
	Atlas Roofing Corporation	StormMaster LM, StormMaster Shake	Daingerfield, TX	F	H	H
	Atlas Roofing Corporation	StormMaster ST ³	Ardmore, OK	F	--	--
	Atlas Roofing Corporation	Stratford ³	Hampton, GA	F	H	H
	Atlas Roofing Corporation	StormMaster Slate ³	Ardmore, OK	F	H	H
Revised	CertainTeed Corporation	Carriage House	Oxford, NC	F	H	H
	CertainTeed Corporation	Centennial Slate	Oxford, NC	F	H	H
	CertainTeed Corporation	CT20 ³	Avery, OH	F	H	H
	CertainTeed Corporation	CT20 ³	Oxford, NC	F	H	H
	CertainTeed Corporation	CT20 ³	Shreveport, LA	F	H	H
Revised	CertainTeed Corporation	Grand Manor	Oxford, NC	F	H	H
	CertainTeed Corporation	Hatteras	Oxford, NC	F	H	H
	CertainTeed Corporation	Landmark	Peachtree City, GA	F	H	H
	CertainTeed Corporation	Landmark	Shakopee, MN	F	H	H
Revised	CertainTeed Corporation	Landmark, Landmark IR	Shreveport, LA	F	H	H
	CertainTeed Corporation	Landmark	Wilmington, CA	F	H	H
	CertainTeed Corporation	Landmark Plus	Shakopee, MN	F	H	H
	CertainTeed Corporation	Landmark Plus	Shreveport, LA	F	H	H
	CertainTeed Corporation	Landmark Premium	Shakopee, MN	F	H	H
	CertainTeed Corporation	Landmark Premium	Shreveport, LA	F	H	H
Revised	CertainTeed Corporation	Landmark TL	Fremont, CA	F	H	H
	CertainTeed Corporation	Landmark TL IR	Birmingham, AL	F	H	H
	CertainTeed Corporation	Presidential Shake	Fremont, CA	F	H	H
	CertainTeed Corporation	Presidential Shake TL	Fremont, CA	F	--	--
	CertainTeed Corporation	XT 25 ³	Oxford, NC	F	H	H
	CertainTeed Corporation	XT 25 ³	Shreveport, LA	F	H	H
	CertainTeed Corporation	XT 30 ³	Oxford, NC	F	H	H
	CertainTeed Corporation	XT 30 ³	Shreveport, LA	F	H	H

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New or Revised	Manufacturer	Product	Plant Location	ASTM D3161 Class	ASTM D6381 UL 2390 Class	ASTM D7158 Class
	CertainTeed Corporation	XT 30 IR ³	Shreveport, LA	F	H	H
	GAF	Camelot	Mt. Vernon, IN	F	H	H
	GAF	Camelot 30 [®] , or Camelot [®] II [™]	Mt. Vernon, IN	F	H	H
	GAF	Capstone [®]	Tuscaloosa, AL	F	H	H
	GAF	Country Mansion [®]	Mt. Vernon, IN	F	H	H
	GAF	Country Mansion [®] II	Mt. Vernon, IN	F	H	H
	GAF	Grand Canyon	Fontana, CA	F	H	H
	GAF	Grand Canyon	Mt. Vernon, IN	F	H	H
	GAF	Grand Sequoia	Fontana, CA	F	H	H
	GAF	Grand Sequoia	Mt. Vernon, IN	F	H	H
	GAF	Grand Slate [™]	Mt. Vernon, IN	F	H	H
	GAF	Grand Slate [™] II	Mt. Vernon, IN	F	H	H
New	GAF	Marquis [®] WeatherMax [®]	Mt. Vernon, IN	F	--	--
New	GAF	Monaco [™]	Mt. Vernon, IN	F	H	H
	GAF	Royal Sovereign ³	Dallas, TX	F	H	H
	GAF	Royal Sovereign ³	Fontana, CA	F	H	H
	GAF	Royal Sovereign ³	Minneapolis, MN	F	H	H
	GAF	Royal Sovereign ³	Mobile, AL	F	H	H
	GAF	Royal Sovereign ³	Mt. Vernon, IN	F	H	H
New	GAF	Royal Sovereign ³	Myerstown, PA	F	H	H
	GAF	Royal Sovereign ³	Savannah, GA	F	H	H
	GAF	Royal Sovereign ³	Tampa, FL	F	H	H
	GAF	Sentinel ³	Dallas, TX	F	H	H
	GAF	Sentinel ³	Fontana, CA	F	H	H
	GAF	Sentinel ³	Mt. Vernon, IN	F	H	H
	GAF	Sentinel ³	Savannah, GA	F	H	H
	GAF	Slateline	Mt. Vernon, IN	F	H	H
New	GAF	Timberline [®] American Harvest [™]	Fontana, CA	F	H	H
New	GAF	Timberline [®] American Harvest [™]	Michigan City, IN	F	H	H
	GAF	Timberline Armorshield II	Tuscaloosa, AL	F	H	H
Revised	GAF	Timberline [®] Cool Series	Fontana, CA	F	H	H
	GAF	Timberline [®] Majestic [™] 30 or Timberline [®] Majestic [™]	Shafter, CA	F	H	H

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2006 IRC and IBC Asphalt Shingle Products				Wrapper Label Standard Reference		
New or Revised	Manufacturer	Product	Plant Location	ASTM D3161 Class	ASTM D6381 UL 2390 Class	ASTM D7158 Class
	GAF	Timberline® Natural Shadow™	Baltimore, MD	F	H	H
	GAF	Timberline® Natural Shadow™	Dallas, TX	F	H	H
	GAF	Timberline® Natural Shadow™	Ennis, TX	F	H	H
	GAF	Timberline® Natural Shadow™	Fontana, CA	F	H	H
	GAF	Timberline® Natural Shadow™	Michigan City, IN	F	H	H
	GAF	Timberline® Natural Shadow™	Minneapolis, MN	F	H	H
	GAF	Timberline® Natural Shadow™	Myerstown, PA	F	H	H
	GAF	Timberline® Natural Shadow™	Shafter, CA	F	H	H
	GAF	Timberline® Natural Shadow™	Tampa, FL	F	H	H
	GAF	Timberline® Natural Shadow™	Tuscaloosa, AL	F	H	H
	GAF	Timberline® Prestique® 30, Timberline® HD™	Baltimore, MD	F	H	H
	GAF	Timberline® Prestique® 30, Timberline® HD™	Dallas, TX	F	H	H
	GAF	Timberline® Prestique® 30, Timberline® HD™	Ennis, TX	F	H	H
	GAF	Timberline® Prestique® 30, Timberline® HD™	Fontana, CA	F	H	H
	GAF	Timberline® Prestique® 30, Timberline® HD™	Michigan City, IN	F	H	H
	GAF	Timberline® Prestique® 30, Timberline® HD™	Minneapolis, MN	F	H	H
	GAF	Timberline® Prestique® 30, Timberline® HD™	Myerstown, PA	F	H	H
	GAF	Timberline® Prestique® 30, Timberline® HD™	Shafter, CA	F	H	H
	GAF	Timberline® Prestique® 30, Timberline® HD™	Tampa, FL	F	H	H
	GAF	Timberline® Prestique® 30, Timberline® HD™	Tuscaloosa, AL	F	H	H
	GAF	Timberline® Prestique® 40	Baltimore, MD	F	H	H
	GAF	Timberline® Prestique® 40	Ennis, TX	F	H	H
	GAF	Timberline® Prestique® 40	Fontana, CA	F	H	H
	GAF	Timberline® Prestique® 40	Michigan City, IN	F	H	H

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New or Revised	Manufacturer	Product	Plant Location	ASTM D3161 Class	ASTM D6381 UL 2390 Class	ASTM D7158 Class
	GAF	Timberline® Prestique® 40	Minneapolis, MN	F	H	H
	GAF	Timberline® Prestique® 40	Myerstown, PA	F	H	H
	GAF	Timberline® Prestique® 40	Shafter, CA	F	H	H
	GAF	Timberline® Prestique® 40	Tampa, FL	F	H	H
	GAF	Timberline® Prestique® 40	Tuscaloosa, AL	F	H	H
	GAF	Timberline Prestique® Cool Color Series	Shafter, CA	F	H	H
	GAF	Timberline® Prestique® Lifetime or Timberline® Ultra HD™	Baltimore, MD	F	H	H
	GAF	Timberline® Prestique® Lifetime or Timberline® Ultra HD™	Ennis, TX	F	H	H
	GAF	Timberline® Prestique® Lifetime or Timberline® Ultra HD™	Fontana, CA	F	H	H
	GAF	Timberline® Prestique® Lifetime or Timberline® Ultra HD™	Michigan City, IN	F	H	H
	GAF	Timberline® Prestique® Lifetime or Timberline® Ultra HD™	Myerstown, PA	F	H	H
	GAF	Timberline® Prestique® Lifetime or Timberline® Ultra HD™	Shafter, CA	F	H	H
	GAF	Timberline® Prestique® Lifetime or Timberline® Ultra HD™	Tampa, FL	F	H	H
	GAF	Timberline® Prestique® Lifetime or Timberline® Ultra HD™	Tuscaloosa, AL	F	H	H
New	GAF	Woodland™	Mt. Vernon, IN	F	H	H
	Marlarkey Roofing Products	Dura Seal 25™ ³	Portland, OR	--	H	H
	Marlarkey Roofing Products	Dura Seal 25™ ³	Southgate, CA	--	H	H
	Marlarkey Roofing Products	Ecoasis™	Portland, OR	--	H	H
	Marlarkey Roofing Products	Ecoasis™	Southgate, CA	--	H	H

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New or Revised	Manufacturer	Product	Plant Location	ASTM D3161 Class	ASTM D6381 UL 2390 Class	ASTM D7158 Class
	Marlarkey Roofing Products	Ecoasis™ Premium	Southgate, CA	--	H	H
	Marlarkey Roofing Products	Highlander™	Portland, OR	--	H	H
	Marlarkey Roofing Products	Highlander™	Southgate, CA	--	H	H
	Marlarkey Roofing Products	Hurricane™ ³	Portland, OR	F	--	--
	Marlarkey Roofing Products	Hurricane™ ³	Southgate, CA	F	--	--
	Marlarkey Roofing Products	Legacy™, Legacy™ AB	Portland, OR	F	--	--
	Marlarkey Roofing Products	Legacy™, Legacy™ AB	Southgate, CA	F	--	--
	Marlarkey Roofing Products	Northwest XL™, Northwest XL™ AB	Portland, OR	F	H	H
	Marlarkey Roofing Products	The Alaskan™ ³	Portland, OR	F	--	--
	Marlarkey Roofing Products	The Alaskan™ ³	Southgate, CA	F	--	--
	Owens Corning Roofing and Asphalt, LLC	Berkshire	Minneapolis, MN	F	H	H
	Owens Corning Roofing and Asphalt, LLC	Classic ³	Atlanta, GA	F	H	H
	Owens Corning Roofing and Asphalt, LLC	Classic ³	Denver, CO	F	H	H
	Owens Corning Roofing and Asphalt, LLC	Classic ³	Irving, TX	F	H	H
	Owens Corning Roofing and Asphalt, LLC	Classic ³	Medina, OH	F	H	H
	Owens Corning Roofing and Asphalt, LLC	Classic ³	Memphis, TN	F	H	H

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New or Revised	Manufacturer	Product	Plant Location	ASTM D3161 Class	ASTM D6381 UL 2390 Class	ASTM D7158 Class
	Owens Corning Roofing and Asphalt, LLC	Classic ³	Minneapolis, MN	F	H	H
	Owens Corning Roofing and Asphalt, LLC	Classic ³	Summit, IL	F	H	H
Revised	Owens Corning Roofing and Asphalt, LLC	Tru Definition™ Duration, Duration	Brookville, IN	F	H	H
Revised	Owens Corning Roofing and Asphalt, LLC	Tru Definition™ Duration, Duration	Compton, CA	F	H	H
Revised	Owens Corning Roofing and Asphalt, LLC	Tru Definition™ Duration, Duration	Irving, TX	F	H	H
Revised	Owens Corning Roofing and Asphalt, LLC	Tru Definition™ Duration, Duration	Jacksonville, FL	F	H	H
Revised	Owens Corning Roofing and Asphalt, LLC	Tru Definition™ Duration, Duration	Kearny, NJ	F	H	H
Revised	Owens Corning Roofing and Asphalt, LLC	Tru Definition™ Duration, Duration	Medina, OH	F	H	H
Revised	Owens Corning Roofing and Asphalt, LLC	Tru Definition™ Duration, Duration	Minneapolis, MN	F	H	H
Revised	Owens Corning Roofing and Asphalt, LLC	Tru Definition™ Duration, Duration	Portland, OR	F	H	H
Revised	Owens Corning Roofing and Asphalt, LLC	Tru Definition™ Duration, Duration	Savannah, GA	F	H	H
Revised	Owens Corning Roofing and Asphalt, LLC	Tru Definition™ Duration, Duration	Summit, IL	F	H	H
	Owens Corning Roofing and Asphalt, LLC	Duration Premium	Brookville, IN	F	H	H
	Owens Corning Roofing and Asphalt, LLC	Duration Premium	Compton, CA	F	H	H
	Owens Corning Roofing and Asphalt, LLC	Duration Premium	Irving, TX	F	H	H
	Owens Corning Roofing and Asphalt, LLC	Duration Premium	Jacksonville, TX	F	H	H
	Owens Corning Roofing and Asphalt, LLC	Duration Premium	Kearny, NJ	F	H	H

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New or Revised	Manufacturer	Product	Plant Location	ASTM D3161 Class	ASTM D6381 UL 2390 Class	ASTM D7158 Class
	Owens Corning Roofing and Asphalt, LLC	Duration Premium	Medina, CA	F	H	H
	Owens Corning Roofing and Asphalt, LLC	Duration Premium	Minneapolis, MN	F	H	H
	Owens Corning Roofing and Asphalt, LLC	Duration Premium	Portland, OR	F	H	H
	Owens Corning Roofing and Asphalt, LLC	Duration Premium	Savannah, GA	F	H	H
	Owens Corning Roofing and Asphalt, LLC	Duration Premium	Summit, IL	F	H	H
	Owens Corning Roofing and Asphalt, LLC	Oakridge	Brookville, IN	F	H	H
	Owens Corning Roofing and Asphalt, LLC	Oakridge	Compton, CA	F	H	H
	Owens Corning Roofing and Asphalt, LLC	Oakridge	Denver, CO	F	H	H
	Owens Corning Roofing and Asphalt, LLC	Oakridge	Houston, TX	F	H	H
	Owens Corning Roofing and Asphalt, LLC	Oakridge	Irving, TX	F	H	H
	Owens Corning Roofing and Asphalt, LLC	Oakridge	Jacksonville, FL	F	H	H
	Owens Corning Roofing and Asphalt, LLC	Oakridge	Kearny, NJ	F	H	H
	Owens Corning Roofing and Asphalt, LLC	Oakridge	Medina, OH	F	H	H
	Owens Corning Roofing and Asphalt, LLC	Oakridge	Minneapolis, MN	F	H	H
	Owens Corning Roofing and Asphalt, LLC	Oakridge	Portland, OR	F	H	H
	Owens Corning Roofing and Asphalt, LLC	Oakridge	Savannah, GA	F	H	H
	Owens Corning Roofing and Asphalt, LLC	Oakridge	Summit, IL	F	H	H

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	Owens Corning Roofing and Asphalt, LLC	Prominence ³	Medina, OH	F	--	--
	Owens Corning Roofing and Asphalt, LLC	Supreme ³	Atlanta, GA	F	H	H
	Owens Corning Roofing and Asphalt, LLC	Supreme ³	Denver, CO	F	H	H
	Owens Corning Roofing and Asphalt, LLC	Supreme ³	Irving, TX	F	H	H
	Owens Corning Roofing and Asphalt, LLC	Supreme ³	Kearny, NJ	F	H	H
	Owens Corning Roofing and Asphalt, LLC	Supreme ³	Medina, OH	F	H	H
	Owens Corning Roofing and Asphalt, LLC	Supreme ³	Memphis, TN	F	H	H
	Owens Corning Roofing and Asphalt, LLC	Supreme ³	Minneapolis, MN	F	H	H
	Owens Corning Roofing and Asphalt, LLC	Supreme ³	Summit, IL	F	H	H
	Owens Corning Roofing and Asphalt, LLC	Supreme ³	Portland, OR	F	H	H
	Owens Corning Roofing and Asphalt, LLC	WeatherGuard HP	Houston, TX	F	H	H
	Owens Corning Roofing and Asphalt, LLC	Woodcrest	Compton, CA	F	H	H
	Owens Corning Roofing and Asphalt, LLC	Woodmoor	Compton, CA	F	H	H
	PABCO [®] Roofing Products	Cascade	Tacoma, WA	F	--	--
	PABCO [®] Roofing Products	GG-20 ³	Tacoma, WA	F	--	--
	PABCO [®] Roofing Products	Paramount	Tacoma, WA	F	--	--

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	PABCO® Roofing Products	Paramount Advantage	Tacoma, WA	F	--	--
	PABCO® Roofing Products	Precise	Tacoma, WA	F	--	--
	PABCO® Roofing Products	Premier Advantage	Tacoma, WA	F	--	--
	PABCO® Roofing Products	Premier 30	Tacoma, WA	F	H	H
	PABCO® Roofing Products	Premier 40	Tacoma, WA	F	H	H
	PABCO® Roofing Products	Premier 50	Tacoma, WA	F	H	H
	PABCO® Roofing Products	Premier Radiance 30	Tacoma, WA	F	H	H
	PABCO® Roofing Products	Premier Radiance 50	Tacoma, WA	F	H	H
	PABCO® Roofing Products	SG-30 ³	Tacoma, WA	F	H	H
	Tamko Building Products, Inc.	Elite Glass Seal ³	Frederick, MD	F	H	H
	Tamko Building Products, Inc.	Elite Glass Seal ³	Joplin, MO	F	H	H
	Tamko Building Products, Inc.	Elite Glass Seal ³	Tuscaloosa, AL	F	H	H
	Tamko Building Products, Inc.	Glass Seal ³	Frederick, MD	F	H	H
	Tamko Building Products, Inc.	Glass Seal ³	Joplin, MO	F	H	H
	Tamko Building Products, Inc.	Glass Seal ³	Tuscaloosa, AL	F	H	H
	Tamko Building Products, Inc.	Heritage, Heritage 30	Dallas, TX	F	H	H

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	Tamko Building Products, Inc.	Heritage, Heritage 30	Frederick, MD	F	H	H
	Tamko Building Products, Inc.	Heritage, Heritage 30	Joplin, MO	F	H	H
	Tamko Building Products, Inc.	Heritage, Heritage 30	Phillipsburg, KS	F	H	H
	Tamko Building Products, Inc.	Heritage, Heritage 30	Tuscaloosa, AL	F	H	H
	Tamko Building Products, Inc.	Heritage Premium, Heritage 50	Dallas, TX	F	H	H
	Tamko Building Products, Inc.	Heritage Premium, Heritage 50	Frederick, MD	F	H	H
	Tamko Building Products, Inc.	Heritage Premium, Heritage 50	Phillipsburg, KS	F	H	H
	Tamko Building Products, Inc.	Heritage Premium, Heritage 50	Tuscaloosa, AL	F	H	H
	Tamko Building Products, Inc.	Heritage Vintage	Phillipsburg, KS	F	H	H
	Tamko Building Products, Inc.	Heritage Woodgate, Heritage XL	Dallas, TX	F	H	H
	Tamko Building Products, Inc.	Heritage Woodgate, Heritage XL	Frederick, MD	F	--	--

Notes: The symbol "--" in the 2006 IRC and IBC Shingle Products table indicates that the shingle is not labeled to indicate compliance with the ASTM Standard

The word (AR), (Algae Eater), or (StainGuard®) on the shingle wrapper indicate that the asphalt shingle product is manufactured with "Algae Resistant" aggregate and does not affect the products conformity to ASTM D 3161, ASTM D6381 or ASTM D7158.