

# NFRC Certified Products Directory Codes Listing

## PRODUCT TYPE CODES

Code	Product Category	Product Description
<b>Windows</b>		
PRAW	Awning Windows	Projected (Awning)
CSDV	Casement Windows	Casement (Dual Vent)
CSSV	Casement Windows	Casement (Single Vent)
FIXD	Picture Windows	Fixed (Picture Window)
VSDH	Single and Double Hung Windows	Double Hung
VSSH	Single and Double Hung Windows	Single Hung
HSOX	Sliding Windows	Single Slider
HSXX	Sliding Windows	Double Slider
DATT	Specialty Windows	Dual Action (Tilt Turn)
GWGH	Specialty Windows	Garden Window/Green House Window
PVHR	Specialty Windows	Pivoted (Horizontal)
<b>Doors &amp; Door Related</b>		
EDSL	Swinging Exterior Doors	Swinging Entrance Door (Single)
DDFR	Swinging Exterior Doors	Swinging Entrance Door (Double)
DDSG	Sliding Patio Doors	Sliding Glass Door
FXSL	Sidelites	Sidelite
FXTR	Transoms	Transom
VAGD	Garage Doors	Garage / Rolling Door
DASD	Add-On Blinds for Doors	Dynamic Attachment for Swinging Doors

# NFRC Certified Products Directory Codes Listing

## PRODUCT TYPE CODES (Continued)

Code	Product Category	Product Description
<b>Skylights</b>		
SKDM	Skylights	Skylight (Domed)
SKFX	Skylights	Skylight (Fixed)
SKOP	Skylights	Skylight (Operable)
TDDY	Skylights	Tubular Daylighting Device
<b>Glazed Wall Systems</b>		
GWCW	Glazed Wall Systems	Curtain Wall
GWWW	Glazed Wall Systems	Window Wall
GWSP	Glazed Wall Systems	Spandrel Panel System
SKSL	Sloped Glazing Systems	Sloped Glazing

# NFRC Certified Products Directory Codes Listing

## FRAME AND SASH CODES

Code	Frame Sash Type	Description
<b>Material Classification: Aluminum</b>		
AN	Aluminum (Non-thermally broken)	Aluminum extrusions with no thermally broken members (or that do not fit other Aluminum Frame/Sash types)
AS	Aluminum w/ Steel Reinforcement	Aluminum extrusions reinforced with steel
AT	Aluminum w/ Thermal Breaks	Aluminum extrusions with all thermally broken members
AU	Aluminum w/ Thermal Improvements	Aluminum extrusions with all thermally improved members
AV	Aluminum/Vinyl (or other plastic) Combination	Aluminum extrusions combined with vinyl (or other plastic) members, cladding, inserts and/or caps
<b>Material Classification: Steel</b>		
SN	Steel (Non thermally-broken)	Steel alloy members with no thermally broken members (or that do not fit other Steel Frame/Sash types)
SU	Steel w/ Thermal Improvements	Steel alloy members with all thermally improved members
ST	Steel w/ Thermal Breaks	Steel alloy members with all thermally-broken members
<b>Material Classification: Bronze/Brass (Copper Alloy)</b>		
BN	Bronze/Brass (Non thermally-broken)	Bronze with no thermally broken members (or that do not fit other Bronze Frame/Sash types)
BU	Bronze/Brass w/ Thermal Improvements	Bronze members with all thermally improved members
BT	Bronze/Brass w/ Thermal Breaks	Bronze with all thermally-broken members

# NFRC Certified Products Directory Codes Listing

## FRAME AND SASH CODES (Continued)

Code	Frame Sash Type	Description
<b>Material Classification: Wood</b>		
WD	Wood	All members are solid wood materials
WC	Composite/Wood Combination	Shaped composite material members combined with wood members
WF	Fiberglass/Wood Combination	Shaped fiberglass members combined with wood members
WV	Vinyl/Wood Combination	Shaped vinyl (or other plastic) members or cladding combined with wood members
WA	Wood/Metal Combination	Wood members combined with metal extrusions
WM	Metal Clad Wood	Metal cladding (roll formed) covering primary wood members
<b>Material Classification: Vinyl (or other plastic)</b>		
VY	Vinyl	Vinyl (or other plastic) members with no reinforced members
VR	Vinyl w/ Reinforcement	Vinyl (or other plastic) members with reinforcement
VF	Vinyl w/ foam-filled insulation	Vinyl (or other plastic) members filled with a foam-type insulating material
VC	Cellular PVC	Cellular PVC frame / sash material
<b>Material Classification: Fiberglass</b>		
FG	Fiberglass	Fiber-reinforced members
FR	Fiberglass w/ Reinforcement	Fiber-reinforced members with reinforcement
FF	Fiberglass w/ foam-filled insulation	Fiber-reinforced members filled with a foam-type insulating material
<b>Material Classification: Composite</b>		
CO	Composite Material	Shaped vinyl composite or wood composite members
CR	Composite w/ Reinforcement	Shaped vinyl composite or wood composite members with reinforcement
CF	Composite w/ foam-filled insulation	Shaped vinyl composite or wood composite members filled with a foam-type insulating material
<b>Material Classification: Others</b>		
NA	Not applicable	Applicable only as a sash code in a product which does not include a sash.
NF	No frame (frameless)	Systems which do not have a frame (i.e. point-supported)

# NFRC Certified Products Directory Codes Listing

## THERMAL BREAK MATERIAL CODES

Code	Description
AI	Air
FO	Foam
FG	Fiberglass
NA	No thermal break
NE	Rigid Neoprene/EPDM
PN	Polyamide / Reinforced Nylon
UR	Urethane/Polyurethane
VY	Vinyl (or other plastic material not noted above)

# NFRC Certified Products Directory Codes Listing

## GAP (GAS) FILL CODES

Code	Description
AIR	Air
AR3	Argon/Krypton/Air Mixture
ARG	Argon/Air
KRY	Krypton/Air
XEN	Xenon/Air
VIG	Vacuum Insulated Glass
VIC	Vacuum Insulated Glass (using C* procedure)

# NFRC Certified Products Directory Codes Listing

## TINT CODES

Code	Description
BK	Black
BL	Blue
BZ	Bronze
CL	Clear
GD	Gold
GR	Green
GY	Gray
NA	Not applicable (product with no glazing)
OG	Orange
RD	Red
PR	Purple
SF	Suspended Polyester Film
SR	Silver
WH	White
YL	Yellow

# NFRC Certified Products Directory Codes Listing

## SPACER CODES

Code	Type	Description
A1-D	Aluminum	Aluminum spacer system – dual sealed
A1-S	Aluminum	Aluminum spacer system – single sealed
A2-D	Aluminum (thermally-broken)	Thermally improved aluminum spacer system – dual sealed
A2-S	Aluminum (thermally-broken)	Thermally improved aluminum spacer system – single sealed
A3-D	Aluminum-reinforced polymer	Polymer spacer material with aluminum substance – dual sealed
A3-S	Aluminum-reinforced polymer	Polymer spacer material with aluminum substance – single sealed
A4-D	Aluminum/Wood	Composite spacer system of two materials – dual sealed
A4-S	Aluminum/Wood	Composite spacer system of two materials – single sealed
A5-D	Aluminum-reinforced butyl	Butyl spacer material with aluminum substrate – dual sealed
A5-S	Aluminum-reinforced butyl	Butyl spacer material with aluminum substrate – single sealed
A6-D	Aluminum/Foam/Aluminum	Two aluminum spacers separated by foam-type material – dual sealed
A6-S	Aluminum/Foam/Aluminum	Two aluminum spacers separated by foam-type material – single sealed
A7-D	Aluminum U-shaped	U-shaped spacer system embedded in sealant – dual sealed
A7-S	Aluminum U-shaped	U-shaped spacer system embedded in sealant – single sealed
A8-D	Aluminum-Butyl Composite	Exposed corrugated aluminum spacer with butyl – dual sealed
A8-S	Aluminum-Butyl Composite	Exposed corrugated aluminum spacer with butyl – single sealed
A9-D	Aluminum U-channel w/ thermal cap	U-shaped aluminum spacer system with a thermal cap – dual sealed
A9-S	Aluminum U-channel w/ thermal cap	U-shaped aluminum spacer system with a thermal cap – single sealed

# NFRC Certified Products Directory Codes Listing

## SPACER CODES (Continued)

Code	Type	Description
CS-D	Coated Steel	Coated Steel (galvanized or tinplated) - Dual seal
CS-S	Coated Steel	Coated Steel (galvanized or tinplated) - Single seal
CU-D	Coated Steel U-Shaped	Coated Steel (galvanized or tinplated) U-shaped spacer system embedded in sealant - Dual sealed
CU-S	Coated Steel U-shaped	Coated Steel (galvanized or tinplated) U-shaped spacer system embedded in sealant - Single sealed
ER-D	EPDM Reinforced Butyl	EPDM reinforced butyl spacer system – dual sealed
ER-S	EPDM Reinforced Butyl	EPDM reinforced butyl spacer system – single sealed
FG-D	Fiberglass	Fiberglass – dual sealed
FG-S	Fiberglass	Fiberglass – single sealed
GL-S	Glass	Welded glass edge condition at glazing perimeter
N	Not Applicable	Product component does not require a code
OF-D	Organic Foam	Organic-based foam spacer system – dual sealed
OF-S	Organic Foam	Organic-based foam spacer system – single sealed
P1-D P2-D P3-D	Polycarbonate- Butyl Composite	Exposed corrugated polycarbonate spacer with butyl - dual sealed
P1-S P2-S P3-S	Polycarbonate- Butyl Composite	Exposed corrugated polycarbonate spacer with butyl - single sealed
<p><i>*P1, P2, P3 codes all represent the same spacer type. P1 can no longer be used for new entries, but existing database entries may still use this code. Any product using P1 represents the original modeling technique. P2 represents products modeled using the new modeling procedure. P3 represents products which have been updated by applying a +0.01 adder to the original P1 value.</i></p>		
PU-D	Polyurethane foam	Polyurethane foam – dual sealed
PU-S	Polyurethane foam	Polyurethane foam – single sealed
S2-D	Steel (thermally-broken)	Stainless steel spacer with urethane thermal break – dual sealed
S2-S	Steel (thermally-broken)	Stainless steel spacer with urethane thermal break – single sealed
S3-D	Steel/Foam/Steel	Two steel spacers separated by foam- type material – dual sealed
S3-S	Steel/Foam/Steel	Two steel spacers separated by foam- type material – single sealed

# NFRC Certified Products Directory Codes Listing

## SPACER CODES (Continued)

Code	Type	Description
S5-D	Steel reinforced butyl	Butyl spacer material with stainless steel substrate – dual sealed
S5-S	Steel reinforced butyl	Butyl spacer material with stainless steel substrate – single sealed
S6-D	Steel U-channel w/ thermal cap	U-shaped steel spacer system with a thermal cap – dual sealed
S6-S	Steel U-channel w/ thermal cap	U-shaped steel spacer system with a thermal cap – single sealed
SP-D	Stainless Steel / Plastic Substrate	Stainless steel and plastic substrate spacer system – dual sealed
SP-S	Stainless Steel / Plastic Substrate	Stainless steel and plastic substrate spacer system – single sealed
SS-D	Stainless Steel	Stainless Steel - dual seal
SS-S	Stainless Steel	Stainless Steel-single sealed
SU-D	Stainless Steel U-shaped	Stainless Steel U-shaped spacer system embedded in sealant - dual sealed
SU-S	Stainless Steel U-Shaped	Stainless Steel U-shaped spacer system embedded in sealant - single sealed
TP-D	Thermo-plastic	Thermo-plastic – dual sealed
TP-S	Thermo-plastic	Thermo-plastic - single sealed
TS-D	Thermo-plastic	Thermoplastic spacer with stainless steel substrate - dual-sealed
TS-S	Thermo-plastic	Thermoplastic spacer with stainless steel substrate - single-sealed
WD-N	Wood	Wood spacer system
ZE-D	Elastomeric Silicone Foam	Elastomeric Silicone foam spacer system – dual sealed
ZE-S	Elastomeric Silicone Foam	Elastomeric Silicone foam spacer system – single sealed
ZF-D	Silicone Foam	Silicone foam spacer system – dual sealed
ZF-S	Silicone Foam	Silicone foam spacer system – single sealed
ZS-D	Silicone/Steel	Combination of two separate spacers: a steel spacer and silicone spacer – dual sealed
ZS-S	Silicone/Steel	Combination of two separate spacers: a steel spacer and silicone spacer – single sealed

# NFRC Certified Products Directory Codes Listing

## GRID CODES

Code	Description
G	Grids between the glass
N	No Grids
S	Simulated Divided Lites
T	True Divided Lites

## GRID SIZE CODES

Code	Description
	Blank for no grids
0.75	Grids less than 1”
1.5	Grids greater than or equal to 1”

# NFRC Certified Products Directory Codes Listing

## DOOR DESCRIPTION CODES

Code	Description
EM	Embossed
FL	Flush
LF	Full Lite
LH	1/2 - Lite
LQ	1/4 - Lite
LT	3/4 - Lite
N	Not Applicable
RP	Raised Panel

## DOOR SUB-STRUCTURE MATERIAL CODES

Code	Description
FG	Fiberglass
GS	Galvanized Steel
N	Not Applicable
ST	Steel
VY	Vinyl
WD	Wood

## DOOR PANEL CODES

Code	Description
FG	Fiberglass
N	Not Applicable
PL	Plastic
ST	Steel
WP	Wood - Plywood
WS	Wood - Solid

# NFRC Certified Products Directory Codes Listing

## DOOR SKIN MATERIAL CODES

Code	Description
AL	Aluminum
FG	Fiberglass
GS	Galvanized Steel
N	Not Applicable
ST	Steel
VY	Vinyl
WD	Wood

## DOOR CORE FILL CODES

Code	Description
CH	Cellular - Honeycomb
EP	Expanded Polystyrene
N	Not Applicable
PI	Polyisocyanurate
PU	Polyurethane
WP	Wood - Plywood
WS	Wood - Solid
XP	Extruded Polystyrene

# NFRC Certified Products Directory Codes Listing

## SHADING SYSTEM / DYNAMIC GLAZING LOCATION CODES

Code	Description
I	Interior to the glazing
G	Part of the glazing system
E	Exterior to the glazing

## SHADING SYSTEM / DYNAMIC GLAZING TYPE CODES

Code	Description
<b>Shading Systems</b>	
BH	Blinds, Horizontal Venetian
BV	Blinds, Vertical Venetian
SC	Shade, Cellular
SR	Shade, Roller
<b>Dynamic Glazings</b>	
EC	Electrochromic Glass
PC	Photochromic Glass
TC	Thermochromic Glass

## SHADING SYSTEM / DYNAMIC GLAZING STATE CODES

Code	Description	Used with Systems
FRO	Fully Retracted	BH, BV, SC, SR
FDO	Fully Deployed & Open	BH, BV
FDC	Fully Deployed & Closed	BH, BV, SC, SR
P45	Fully Deployed at +45 degrees	BH, BV
N45	Fully Deployed at -45 degrees	BH, BV
xxP	Tinted/deployed at xx%	SC, SR, EC, PC, TC

# NFRC Certified Products Directory Codes Listing

## PRODUCT LINE STATUS CODES

Code	Description	Active/Inactive
None	Normal Active Status	Active
1	Manufacturer Voluntary Termination	Inactive
2	Suspension	Inactive
3	Failed Performance Challenge	Inactive
4	Product Re-issued	Inactive
5	Archived Product Data	Inactive
6	Do Not Print in Directory	Active
7	Product Line Expired	Inactive
9	Granted 6-month Extension	Active
10	Site-Built Product Line	Active
11	Revocation	Inactive
12	Product Line Transfer	Inactive
13	Private Labeled Product Line	Active
14	Exemption Granted, see comments for details	Active

## INSPECTION AGENCY CODES

Code	Name	Type
A	Fenestration & Glazing Industry Alliance (FGIA)	Inspection Agency
K	Keystone Certifications, Inc. (KCI)	Inspection Agency
M	National Accreditation And Management Institute (NAMI)	Inspection Agency
N	Window and Door Manufacturers Association (WDMA)	Inspection Agency

# NFRC Certified Products Directory Codes Listing

## TESTING LABORATORY CODES

Code	Name	Type
TAIR	UL Laboratory Canada Inc.	Testing Laboratory
TATF	Intertek (CA)	Testing Laboratory
TATI	Intertek (PA)	Testing Laboratory
TATM	Intertek (MN)	Testing Laboratory
TELE	Element Materials Technology	Testing Laboratory
TFTL	QAI Laboratories, DBA Fenestration Testing Laboratory	Testing Laboratory
TMOL	Molimo, LLC	Testing Laboratory
TQCT	Quast Consulting and Testing, Inc.	Testing Laboratory

## SIMULATION LABORATORY CODES

Code	Name	Type
SAIR	UL Laboratory Canada inc.	Simulation Laboratory
SATI	Intertek (PA)	Simulation Laboratory
SATM	Intertek (MN)	Simulation Laboratory
SBEE	BEE Consulting, LLC	Simulation Laboratory
SBTS	Blackwater Testing srl	Simulation Laboratory
SEEL	WSP Canada Group Limited	Simulation Laboratory
SEVA	Element Materials Technology - Canada	Simulation Laboratory
SFSE	Fenestration Simulation Engineering	Simulation Laboratory
SFTL	QAI Laboratories, DBA Fenestration Testing Laboratory	Simulation Laboratory
SLAY	Layton Consulting Ltd	Simulation Laboratory
SMOL	Molimo, LLC	Simulation Laboratory
SQCT	Quast Consulting and Testing, Inc.	Simulation Laboratory
STUR	Turner Engineering & Consulting, Inc.	Simulation Laboratory
SVER	Veridis Solutions	Simulation Laboratory
SWWW	WESTLab-USA	Simulation Laboratory
SWWC	WESTLab - Canada	Simulation Laboratory

# NFRC Certified Products Directory Codes Listing

## Revision Log

Date	Changes
8/8/2012	Original Document.
11/14/2013	<u>Spacer Codes</u> Added SP-S, SP-D.
1/3/2022	<u>Product Type Codes</u> Removed Unused Codes (PRFX, CSTH, CSUN, FIUN, HSUN, DAOT, SKUN, GWSL). Removed Obsolete Codes(OTBA, OTBO). Removed Code which was not in the actual database (PVVT).
2/28/2022	<u>Product Type Codes</u> Removed codes which were combined with others (PROJ, PRUN, CSOX, FIGS, FXEL, FXGS, FXHR, VSUN) Removed obsolete code (HTDD)
1/3/2023	<u>Frame and Sash Codes</u> Created more consistency and reduced number of codes. Added Material Classifications, where the first letter of the code represents the Material Classification. Changed AW to WM, CP to VC, and VW to WV. Combined and Consolidated many codes. Removed AB and AI and replaced with AV. Replaced CW with WA. Replaced N with NA. Removed OT. Replaced original VC (Vinyl-clad Aluminum) with AV. VC was reassigned to Cellular PVC. Non-thermally broken, thermally improved and thermally broken products were standardized for aluminum, steel, and bronze. Partially thermally broken codes were removed. Changed AL to AN, BR to BN, ST to SN. Added SU and BU. Created new category for Steel w/ Thermal Breaks reusing ST. Removed AP and BP. Consolidated ABS Plastic with Vinyl. Removed PA, PC, PF, PH, PI, PL, PP, PV, PW, WP. Consolidated Reinforcement Variants. Added VR, FR. Removed VA, VH, VI, VP, VV. Added NF. Restricted use of NA to sash only. <u>Gap Fill Codes</u> Added VIG and VIC codes for use with Vacuum Insulated Glass. <u>Shading System/Dynamic Glazing Codes</u> New codes for Type, Location, and State were added. Tint codes BG, RG, DV, and DY were removed. <u>Product Line Status, Inspection Agency, Testing Laboratory, and Simulation Laboratory Codes</u> Sections Added.
10/12/2023	<u>Testing Laboratory Codes</u> Added TMOL. Removed TNCT, TQTI. <u>Simulation Laboratory Codes</u> Removed SNCT, SQTI.

# NFRC Certified Products Directory Codes Listing

## Revision Log (Continued)

Date	Changes
1/1/2024	<p><u>Thermal Break Material Codes</u>                      Removed AB, O, RN.                      Changed 1 digit codes (F,N,P,U,V) to 2 digit codes (FO,NA,PN,UR,VY).                      Changed FB to FG.</p> <p><u>Gap Fill Codes</u>                      Revised Title to include "(Gas)"                      Removed AR2, CO2, N, SF6, U, XE2, XE3.</p> <p><u>Tint Codes</u>                      Removed AZ, EV, OT, RC.                      Added BK, NA, OG, RD, PR, WH, YL.</p>
1/3/2024	<p><u>Testing Laboratory Codes</u>                      Removed TATW.</p> <p><u>Simulation Laboratory Codes</u>                      Removed SATF, SSTK.</p>
1/5/2024	<p><u>Frame and Sash Codes</u>                      Added CR and CF.</p>
3/11/2024	<p><u>Simulation Laboratory Codes</u>                      Removed SWES.                      Added SWWW.</p>
10/10/2024	<p><u>Product Type Codes</u>                      Added GWSP.</p>
12/10/2024	<p><u>Inspection Agency Codes</u>                      Changed Name from AAMA to FGIA.</p>