# NFRC Certified Products Directory Codes Listing

## PRODUCT TYPE CODES

| Code | Product Category | Product Description |
|---|---|---|
| **Windows** | | |
| 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) |
| **Doors & Door Related** | | |
| 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 |
|---|---|---|
| **Skylights** | | |
| SKDM | Skylights | Skylight (Domed) |
| SKFX | Skylights | Skylight (Fixed) |
| SKOP | Skylights | Skylight (Operable) |
| TDDY | Skylights | Tubular Daylighting Device |
| **Glazed Wall Systems** | | |
| 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 |
|---|---|---|
| **Material Classification: Aluminum** | | |
| 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 |
| **Material Classification: Steel** | | |
| 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 |
| **Material Classification: Bronze/Brass (Copper Alloy)** | | |
| 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 |
|---|---|---|
| **Material Classification: Wood** | | |
| 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 |
| **Material Classification: Vinyl (or other plastic)** | | |
| 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 |
| **Material Classification: Fiberglass** | | |
| 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 |
| **Material Classification: Composite** | | |
| 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 |
| **Material Classification: Others** | | |
| 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 seal |
| A1-S | Aluminum | Aluminum spacer system – single seal |
| A2-D | Aluminum (thermally-broken) | Thermally improved aluminum spacer system – dual seal |
| A2-S | Aluminum (thermally-broken) | Thermally improved aluminum spacer system – single seal |
| A3-D | Aluminum-reinforced polymer | Polymer spacer material with aluminum substance – dual seal |
| A3-S | Aluminum-reinforced polymer | Polymer spacer material with aluminum substance – single seal |
| A4-D | Aluminum/Wood | Composite spacer system of two materials – dual seal |
| A4-S | Aluminum/Wood | Composite spacer system of two materials – single seal |
| A5-D | Aluminum-reinforced butyl | Butyl spacer material with aluminum substrate – dual seal |
| A5-S | Aluminum-reinforced butyl | Butyl spacer material with aluminum substrate – single seal |
| A6-D | Aluminum/Foam/Aluminum | Two aluminum spacers separated by foam-type material – dual seal |
| A6-S | Aluminum/Foam/Aluminum | Two aluminum spacers separated by foam-type material – single seal |
| A7-D | Aluminum U-shaped | U-shaped spacer system embedded in sealant – dual seal |
| A7-S | Aluminum U-shaped | U-shaped spacer system embedded in sealant – single seal |
| A8-D | Aluminum-Butyl Composite | Exposed corrugated aluminum spacer with butyl – dual seal |
| A8-S | Aluminum-Butyl Composite | Exposed corrugated aluminum spacer with butyl – single seal |
| A9-D | Aluminum U-channel w/ thermal cap | U-shaped aluminum spacer system with a thermal cap – dual seal |
| A9-S | Aluminum U-channel w/ thermal cap | U-shaped aluminum spacer system with a thermal cap – single seal |

# 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 seal |
| CU-S | Coated Steel U-shaped | Coated Steel (galvanized or tinplated) U-shaped spacer system embedded in sealant - single seal |
| ER-D | EPDM Reinforced Butyl | EPDM reinforced butyl spacer system – dual seal |
| ER-S | EPDM Reinforced Butyl | EPDM reinforced butyl spacer system – single seal |
| FG-D | Fiberglass | Fiberglass – dual seal |
| FG-S | Fiberglass | Fiberglass – single seal |
| 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 seal |
| OF-S | Organic Foam | Organic-based foam spacer system – single seal |
| P1-D<br>P2-D<br>P3-D | Polycarbonate- Butyl Composite | Exposed corrugated polycarbonate spacer with butyl - dual seal |
| P1-S<br>P2-S<br>P3-S | Polycarbonate- Butyl Composite | Exposed corrugated polycarbonate spacer with butyl - single seal |
| **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.* | | |
| PU-D | Polyurethane foam | Polyurethane foam – dual seal |
| PU-S | Polyurethane foam | Polyurethane foam – single seal |
| S2-D | Steel (thermally-broken) | Stainless steel spacer with urethane thermal break – dual seal |
| S2-S | Steel (thermally-broken) | Stainless steel spacer with urethane thermal break – single seal |
| S3-D | Steel/Foam/Steel | Two steel spacers separated by foam- type material – dual seal |
| S3-S | Steel/Foam/Steel | Two steel spacers separated by foam- type material – single seal |

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

# NFRC Certified Products Directory Codes Listing

## GRID CODES

| Code | Description |
|---|---|
| G | Grids between the glass |
| N | No Grids |
| S | Simulated Divided Lites (without internal grid bars) |
| W | Simulated Divided Lites (with internal grid bars) |
| 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 |
| GL | Glass (Only Applies if the gap between glass layers is filled with a solid material) |
| 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 |
| OF | Other Foam (Not Listed) |
| 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 |
|---|---|
| **Shading Systems** | |
| BH | Blinds, Horizontal Venetian |
| BV | Blinds, Vertical Venetian |
| SC | Shade, Cellular |
| SR | Shade, Roller |
| **Dynamic Glazings** | |
| 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 Codes** | |
| None | Normal Active Status |
| 6 | Do Not Publish in Directory |
| 9 | Granted 6-month Extension |
| 10 | Site-Built Product Line |
| 13 | Private Labeled Product Line |
| 14 | Exemption Granted, see comments for details |
| **Inactive Codes** | |
| 1 | Manufacturer Voluntary Termination |
| 2 | Suspension |
| 3 | Failed Performance Challenge |
| 4 | Product Re-issued |
| 5 | Archived Product Data |
| 7 | Product Line Expired |
| 11 | Revocation |
| 12 | Product Line Transfer |

# NFRC Certified Products Directory Codes Listing

## 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 |

## 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 |

# NFRC Certified Products Directory Codes Listing

## 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 |
| SIFT | ift Rosenheim GmbH | Simulation Laboratory |
| SLAY | Layton Consulting Ltd | Simulation Laboratory |
| SMOB | Mobile Laboratory of Construction Technology | 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 | Spacer Codes<br>Added SP-S, SP-D. |
| 1/3/2022 | Product Type Codes<br>Removed Unused Codes (PRFX, CSTH, CSUN, FIUN, HSUN, DAOT, SKUN, GWSL).<br>Removed Obsolete Codes(OTBA, OTBO).<br>Removed Code which was not in the actual database (PVVT). |
| 2/28/2022 | Product Type Codes<br>Removed codes which were combined with others (PROJ, PRUN, CSOX, FIGS, FXEL, FXGS, FXHR, VSUN)<br>Removed obsolete code (HTDD) |
| 1/3/2023 | Frame and Sash Codes<br>Created more consistency and reduced number of codes.<br>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.<br>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.<br>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.<br>Consolidated ABS Plastic with Vinyl. Removed PA, PC, PF, PH, PI, PL, PP, PV, PW, WP.<br>Consolidated Reinforcement Variants. Added VR, FR. Removed VA, VH, VI, VP, VV.<br>Added NF. Restricted use of NA to sash only.<br>Gap Fill Codes<br>Added VIG and VIC codes for use with Vacuum Insulated Glass.<br>Shading System/Dynamic Glazing Codes<br>New codes for Type, Location, and State were added.<br>Tint codes BG, RG, DV, and DY were removed.<br>Product Line Status, Inspection Agency, Testing Laboratory, and Simulation Laboratory Codes<br>Sections Added. |
| 10/12/2023 | Testing Laboratory Codes<br>Added TMOL. Removed TNCT, TQTI.<br>Simulation Laboratory Codes<br>Removed SNCT, SQTI. |

# NFRC Certified Products Directory Codes Listing

## Revision Log (Continued)

| Date | Changes |
|---|---|
| 1/1/2024 | Thermal Break Material Codes<br>Removed AB, O, RN.<br>Changed 1 digit codes (F,N,P,U,V) to 2 digit codes (FO,NA,PN,UR,VY).<br>Changed FB to FG.<br>Gap Fill Codes<br>Revised Title to include "(Gas)"<br>Removed AR2, CO2, N, SF6, U, XE2, XE3.<br>Tint Codes<br>Removed AZ, EV, OT, RC.<br>Added BK, NA, OG, RD, PR, WH, YL. |
| 1/3/2024 | Testing Laboratory Codes<br>Removed TATW.<br>Simulation Laboratory Codes<br>Removed SATF, SSTK. |
| 1/5/2024 | Frame and Sash Codes<br>Added CR and CF. |
| 3/11/2024 | Simulation Laboratory Codes<br>Removed SWES.<br>Added SWWW. |
| 10/10/2024 | Product Type Codes<br>Added GWSP. |
| 12/10/2024 | Inspection Agency Codes<br>Changed Name from AAMA to FGIA. |
| 12/12/2024 | Product Line Status Codes<br>Editorial changes to table format and 06 wording. |
| 7/14/2025 | Simulation Laboratory Codes<br>Added SIFT and SMOB. |
| 9/19/2025 | Simulation Laboratory Codes<br>Added SIFT and SMOB. |
| 10/17/2025 | Spacer Codes<br>Added SX-D. |
| 10/28/2025 | Grid Codes<br>Added W to separate out SDL's with internal grids from those without internal grids. |
| 11/3/2025 | Door Skin Material Codes<br>Added GL. |