

#### 4.2.2.1 Product Type

Each product type and class requires minimum gateway test sizes for entry into the performance class. Window, skylight and glass door product types covered in this document are as follows:

AP	=	Awning, Hopper, Projected Windows
BW	=	Basement Windows
C	=	Casement Windows
DA	=	Dual Action Windows
DA-HGD	=	Dual Action Hinged Glass Doors
F	=	Fixed Windows
GH	=	Greenhouse Windows
H	=	Hung Windows (Single, Double, Triple)
HE	=	Hinged Rescue Windows
HGD	=	Hinged Glass Doors
HP	=	Horizontally Pivoted Windows
HS	=	Horizontal Sliding Windows
J	=	Jalousie Windows
JA	=	Jal-Awning Windows
RW	=	Roof Windows
SGD	=	Sliding Glass Doors
SHW	=	Side Hinged Inswinging Windows
SLT	=	Side lite
SP	=	Specialty Products
SKG	=	Skylights/Glass Glazed
SKP	=	Skylights/Plastic Glazed
TA	=	Tropical Awning Windows
TR	=	Transom
TH	=	Top Hinged Windows
VP	=	Vertically Pivoted Windows
VS	=	Vertical Sliding Windows

TABLE 4.1

#### 4.2.2.2 Performance Class

Window, skylight, and glass door products covered by this specification shall be divided into five Performance Classes as follows:

R	=	Residential
LC	=	Light Commercial
C	=	Commercial
HC	=	Heavy Commercial
AW	=	Architectural

TABLE 4.2

#### 4.2.2.3 Performance Grade (Design Pressure)

Products are designated by the Performance Grade (Design Pressure) for which they have been tested in pascals (psf). The structural test pressure for all products is 1.5 times the design pressure.

The designation for product Performance Grade (Design Pressure) has been maintained in the approximate inch-pound system because of widespread acceptance of this designation system by architects and specifiers. The specification is in metric primary units to be consistent with requirements for metric conversion in the United States and the primary measurement systems of Canada and Mexico. Units shown in ( ) are for reference ONLY and shall not be used for testing purposes. Each performance class shall have a minimum Performance Grade (Design Pressure) as follows:

Windows and Doors		
Performance Class	Performance Grade	Design Pressure
R	= 15	= 720 Pa (15 psf)
LC	= 25	= 1200 Pa (25 psf)
C	= 30	= 1440 Pa (30 psf)
HC	= 40	= 1920 Pa (40 psf)
AW	= 40	= 1920 Pa (40 psf)

TABLE 4.3a

Skylights		
Performance Class	Performance Grade	Design Pressure
R	= 15/15	= 720 Pa (15 psf)
C	= 30/30	= 1440 Pa (30 psf)
HC	= 40/40	= 1920 Pa (40 psf)

TABLE 4.3b

In addition, products shall be permitted to be tested to optional Performance Grades (Design Pressures) higher than the minimum grade. (See Section 4.2.2.5, Optional Performance)

Products which have been tested as dual windows as specified in Section 4.4, shall have the code DW added to their product designation after the product type. An example of product designation for a dual window would be: HS-DW-LC25 1800 x 1400.

#### 4.2.2.4 Maximum Size Tested

Maximum size tested is required on designations reporting or recording individual product performance. This part of the product designation code should be omitted when specifying products to this standard. The maximum test size shall be designated by width times (x) height in millimeters, for example 705 x 1503.

Test size is a critical factor in determining compliance with this standard. Each product type has a defined "gateway" or "passport" set of requirements. One of these Gateway requirements is minimum gateway test size. Products shall be tested at the minimum gateway