



| NAFS-08               | Classification |       | Pressure differential |        | Wind speed equivalence for |        |                           |        |
|-----------------------|----------------|-------|-----------------------|--------|----------------------------|--------|---------------------------|--------|
|                       |                |       |                       |        | Rough terrain <sup>1</sup> |        | Open terrain <sup>2</sup> |        |
|                       |                |       | (Pa)                  | psf    | Km/h                       | mile/h | Km/h                      | mile/h |
| Air tightness         | R-LC-CW        |       | 75                    | 1,57   | 42                         | 26     | 35                        | 22     |
|                       | AW             |       | 300                   | 6,27   | 84                         | 52     | 70                        | 44     |
| Water tightness       | R              | DP15  | 140                   | 2,92   | 57                         | 36     | 48                        | 30     |
|                       | R              | DP20  | 150                   | 3,13   | 59                         | 37     | 50                        | 31     |
|                       | R & LC         | DP25  | 180                   | 3,76   | 65                         | 40     | 54                        | 34     |
|                       | R, LC & CW     | DP30  | 220                   | 4,59   | 72                         | 45     | 60                        | 37     |
|                       | R, LC & CW     | DP35  | 260                   | 5,43   | 78                         | 48     | 65                        | 41     |
|                       | R, LC & CW     | DP40  | 290                   | 6,06   | 82                         | 51     | 69                        | 43     |
|                       | R, LC & CW     | DP45  | 330                   | 6,89   | 88                         | 55     | 74                        | 46     |
|                       | R, LC & CW     | DP50  | 360                   | 7,52   | 92                         | 57     | 77                        | 48     |
|                       | R, LC & CW     | DP55  | 400                   | 8,35   | 97                         | 60     | 81                        | 50     |
|                       | R, LC & CW     | DP60  | 440                   | 9,19   | 102                        | 63     | 85                        | 53     |
|                       | R, LC & CW     | DP65  | 470                   | 9,82   | 105                        | 65     | 88                        | 55     |
|                       | R, LC & CW     | DP70  | 510                   | 10,65  | 109                        | 68     | 91                        | 57     |
|                       | R, LC & CW     | DP75  | 540                   | 11,28  | 112                        | 70     | 94                        | 58     |
|                       | R, LC & CW     | DP80  | 580                   | 12,11  | 117                        | 72     | 98                        | 61     |
|                       | R, LC & CW     | DP85  | 620                   | 12,95  | 121                        | 75     | 101                       | 63     |
|                       | R, LC & CW     | DP90  | 650                   | 13,58  | 123                        | 77     | 103                       | 64     |
|                       | R, LC & CW     | DP95  | 690                   | 14,41  | 127                        | 79     | 106                       | 66     |
|                       | R, LC & CW     | DP100 | 730                   | 15,25  | 131                        | 81     | 109                       | 68     |
|                       | AW             | DP40  | 400                   | 8,35   | 97                         | 60     | 81                        | 50     |
|                       | AW             | DP45  | 440                   | 9,19   | 102                        | 63     | 85                        | 53     |
|                       | AW             | DP50  | 480                   | 10,03  | 106                        | 66     | 89                        | 55     |
|                       | AW             | DP55  | 530                   | 11,07  | 111                        | 69     | 93                        | 58     |
| AW                    | DP60           | 440   | 9,19                  | 102    | 63                         | 85     | 53                        |        |
| AW                    | DP65           | 630   | 13,16                 | 121    | 75                         | 102    | 63                        |        |
| AW                    | DP70           | 680   | 14,20                 | 126    | 78                         | 106    | 66                        |        |
| AW                    | DP75 & +       | 730   | 15,25                 | 131    | 81                         | 109    | 68                        |        |
| Structural - Design   | R              | DP15  | 720                   | 15,04  | 86                         | 53     | 72                        | 45     |
|                       | R              | DP20  | 960                   | 20,05  | 99                         | 61     | 83                        | 51     |
|                       | R & LC         | DP25  | 1200                  | 25,06  | 111                        | 69     | 92                        | 57     |
|                       | R, LC & CW     | DP30  | 1440                  | 30,08  | 121                        | 75     | 101                       | 63     |
|                       | R, LC & CW     | DP35  | 1680                  | 35,09  | 131                        | 81     | 109                       | 68     |
|                       | R, LC, CW & AW | DP40  | 1920                  | 40,10  | 140                        | 87     | 117                       | 73     |
|                       | R, LC, CW & AW | DP45  | 2160                  | 45,11  | 148                        | 92     | 124                       | 77     |
|                       | R, LC, CW & AW | DP50  | 2400                  | 50,13  | 156                        | 97     | 131                       | 81     |
|                       | R, LC, CW & AW | DP55  | 2640                  | 55,14  | 164                        | 102    | 137                       | 85     |
|                       | R, LC, CW & AW | DP60  | 2880                  | 60,15  | 171                        | 106    | 143                       | 89     |
|                       | R, LC, CW & AW | DP65  | 3120                  | 65,16  | 178                        | 111    | 149                       | 93     |
|                       | R, LC, CW & AW | DP70  | 3360                  | 70,18  | 185                        | 115    | 155                       | 96     |
|                       | R, LC, CW & AW | DP75  | 3600                  | 75,19  | 191                        | 119    | 160                       | 100    |
|                       | R, LC, CW & AW | DP80  | 3840                  | 80,20  | 198                        | 123    | 165                       | 103    |
|                       | R, LC, CW & AW | DP85  | 4080                  | 85,21  | 204                        | 127    | 171                       | 106    |
| R, LC, CW & AW        | DP90           | 4320  | 90,23                 | 210    | 130                        | 175    | 109                       |        |
| R, LC, CW & AW        | DP95           | 4560  | 95,24                 | 215    | 134                        | 180    | 112                       |        |
| R, LC, CW & AW        | DP100          | 4800  | 100,25                | 221    | 137                        | 185    | 115                       |        |
| Structural - Ultimate | R              | DP15  | 1080                  | 22,56  | 105                        | 65     | 88                        | 55     |
|                       | R              | DP20  | 1440                  | 30,08  | 121                        | 75     | 101                       | 63     |
|                       | R & LC         | DP25  | 1800                  | 37,59  | 135                        | 84     | 113                       | 70     |
|                       | R, LC & CW     | DP30  | 2160                  | 45,11  | 148                        | 92     | 124                       | 77     |
|                       | R, LC & CW     | DP35  | 2520                  | 52,63  | 160                        | 100    | 134                       | 83     |
|                       | R, LC, CW & AW | DP40  | 2880                  | 60,15  | 171                        | 106    | 143                       | 89     |
|                       | R, LC, CW & AW | DP45  | 3240                  | 67,67  | 182                        | 113    | 152                       | 94     |
|                       | R, LC, CW & AW | DP50  | 3600                  | 75,19  | 191                        | 119    | 160                       | 100    |
|                       | R, LC, CW & AW | DP55  | 3960                  | 82,71  | 201                        | 125    | 168                       | 104    |
|                       | R, LC, CW & AW | DP60  | 4320                  | 90,23  | 210                        | 130    | 175                       | 109    |
|                       | R, LC, CW & AW | DP65  | 4680                  | 97,74  | 218                        | 136    | 183                       | 113    |
|                       | R, LC, CW & AW | DP70  | 5040                  | 105,26 | 227                        | 141    | 190                       | 118    |
|                       | R, LC, CW & AW | DP75  | 5400                  | 112,78 | 234                        | 146    | 196                       | 122    |
|                       | R, LC, CW & AW | DP80  | 5760                  | 120,30 | 242                        | 150    | 203                       | 126    |
|                       | R, LC, CW & AW | DP85  | 6120                  | 127,82 | 250                        | 155    | 209                       | 130    |
|                       | R, LC, CW & AW | DP90  | 6480                  | 135,34 | 257                        | 160    | 215                       | 134    |
|                       | R, LC, CW & AW | DP95  | 6840                  | 142,86 | 264                        | 164    | 221                       | 137    |
|                       | R, LC, CW & AW | DP100 | 7200                  | 150,38 | 271                        | 168    | 227                       | 141    |

**Notes:**

- 1) Rough terrain is suburban, urban or wooded terrain extending upwind from the building uninterrupted for at least 1 km or 10 times the building height, whichever is greater.
- 2) Open terrain is level terrain with only scattered buildings, trees or other obstructions, open water or shorelines thereof.
- 3) The reference height using for the wind speeds illustrated in the table is 10 m above the ground.
- 4) This wind velocity equivalence is calculated as per the specified load calculation method of the A440S1-09 Canadian Supplement to AAMA/WDMA/CSA 101/I.S.2/A440 Standard, and as per the Wind Load Effect of Appendix C - Division B of the 2005 National Building Code.
- 5) The wind velocity presented in this table are the ones measured where the reference weather station are located to record the hourly wind velocity. The wind velocity measured at fenestration level will be less.