

# UL FIRESTOP JOINT NUMBERING

(Tested to UL 2079, Inspect to ASTM E-2393, CCN XHBN)

## First and Second Alpha Characters

Letter	Description
FF	Floor – to – Floor
WW	Wall – to – Wall
FW	Floor – to – Wall
HW	Head – of – Wall
BW	Bottom – of – Wall
CG	Wall – to – Wall joints intended for use as corner guards

## Third Alpha Character

Letter	Description
D	Systems that have movement capabilities
S	Systems that do not have movement capabilities

## Numeric Characters

Numeric Range	Nominal Joint Width
0000 – 0999, 01000, 01001, 01002 etc.	Less than or equal to 2 in.
1000 – 1999, 11000, 11001, 11002 etc.	Greater than 2 in. and less than or equal to 6 in.
2000 – 2999, 21000, 21001, 21002 etc.	Greater than 6 in. and less than or equal to 12 in.
3000 – 3999, 31000, 31001, 31002 etc.	Greater than 12 in. and less than or equal to 24 in.
4000 – 4999, 41000, 41001, 41002 etc.	Greater than 24 in.

When the joint system specifies the insulation, material is to be compressed prior to installation into the joint, the uncompressed thickness necessary can be calculated as follows:

$$T_{uncomp} = (W_{nom} \times 100) / (100 - I_{comp})$$

### **Where:**

$T_{uncomp}$  = Uncompressed Thickness Necessary, in.

$I_{comp}$  = Insulation Compression Percentage Specified in System, percent

$W_{nom}$  = Nominal (Installed) Joint Width, in.

### **Movement:**

Class I - Thermal: 500 cycles / 1 per min

Class II - Wind: 500 cycles / 10 per min

Class III - Seismic: 100 cycles / 30 per min