



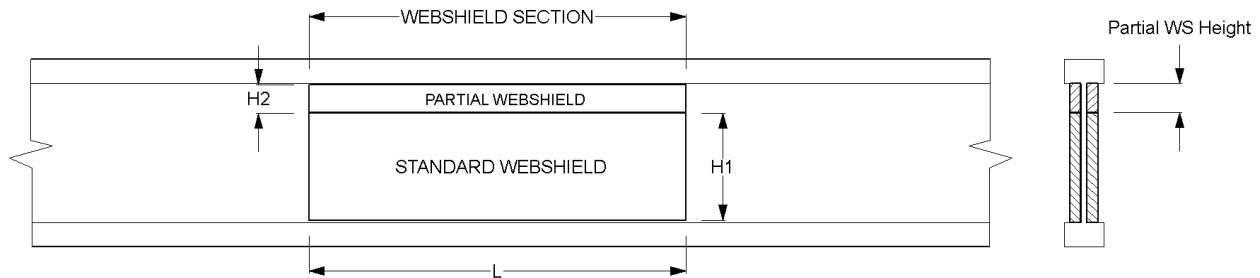
Pinkwood WEBSHIELD® Multi-Shield Stack Allowance

Stacked WEBSHIELD allowance for deeper joists

While FRI Assemblies (PKjoists® with WEBSHIELD) typically come in depths of 9-1/2", 11-7/8" and 14" occasions will arise when deeper joists (i.e. 16") may be needed for residential spans or higher loading conditions. When this occurs, it is permitted to stack shorter height WEBSHIELD panels to achieve the required web protection within the 24" long section of the joist web. This can also arise when smaller WEBSHIELD panels are available and need to be used to satisfy the fire protection of a deeper joist.

An example of this would be as follows:

The PKjoist used for the floor system is a 14" PKI20 Series. The WEBSHIELD panels available are the WS-10 used for 9-1/2" deep joists. Since ALL WEBSHIELD panels are 24" in length, (1) whole WEBSHIELD and (1) horizontally cut partial WEBSHIELD panel can be affixed to the joist. See below detail and sizing chart for requirements.



Stacked WEBSHIELD Allowance Table										
WEBSHIELD Panel (WS)			PKjoist Depth							
			9-1/2"		11-7/8"		14"		16"	
Part No.	Length (L)	Height (H1)	Full WS ⁽¹⁾ Qty	Partial WS ⁽²⁾ Height (H2)	Full WS ⁽¹⁾ Qty	Partial WS ⁽²⁾ Height (H2)	Full WS ⁽¹⁾ Qty	Partial WS ⁽²⁾ Height (H2)	Full WS ⁽¹⁾ Qty	Partial WS ⁽²⁾ Height (H2)
WS-10	24"	6-7/16"	1	N/A	1	2-3/8"	1	4-1/2"	2	N/A
WS-12	24"	8-13/16"	1	N/A	1	N/A	1	2-1/8"	1	4-1/8"
WS-14	24"	10-15/16"	1	N/A	1	N/A	1	N/A	1	2"
WS16	24"	12-15/16"	1	N/A	1	N/A	1	N/A	1	N/A

Installation Notes

1. PKjoist series must have 1-1/2" thick bottom flange. (PKI-10, 20, 23, 35Plus, 40 and 50 series)
2. Full Height Standard WEBSHIELD panels can be cut down to fit smaller joist depths.
3. Partial WEBSHIELD panels can be horizontally cut from other WEBSHIELD panels.
4. WEBSHIELD stamp must be visible on stacked partial piece.
5. Attach partial WEBSHIELD panels with (3) staples spaced according to staple zones depicted in **Figure 7** of IAPMO UES-ER0431.

If you have any questions, please contact XP-EWP for details.

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