HUNTER
CONTINUOUS INSULATION

Hunter Xci Tech Topic #111

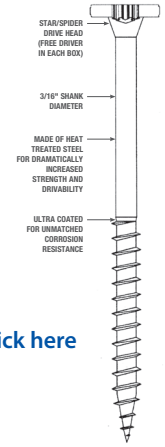
FAQs: Fastening of Xci Ply, Xci Ply (Class A), and Xci NB

For most applications SIP fasteners are used for attachment to the base wall. In some wood stud applications these panels can be used for structural shear, using a smooth or ring shank nail for attachment. For more information regarding structural applications please reference Xci Fastener Engineering Report or contact our technical department.

Below are some commonly asked questions about non-structural applications of Xci Ply, Xci Ply (Class A), and Xci NB using SIP fasteners.

Q: Which style of SIP fastener is needed?

A: Hunter Panels offers multiple styles of SIP fasteners for attachment of Xci Ply, Xci Ply (Class A), and Xci NB, depending on the base wall type. Plates are not required with these fasteners.



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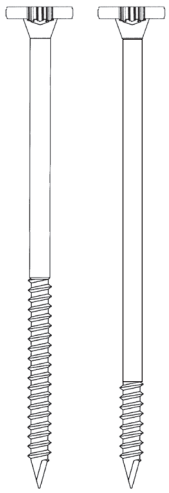
Hunter Xci SIP/WD: The SIP/WD fastener is for wood stud applications.



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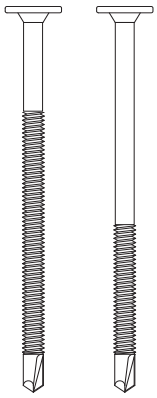
Hunter Xci SIP/SD and SIP/SD-PT: The SIP/SD (also called SIP/LD) is used for 18-22 gauge steel studs as well as concrete and CMU. The SIP/SD-PT is used for 18–22 gauge steel stud applications where a reduced thread length is needed to prevent panel-jacking.



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Hunter Xci SIP/HD and SIP/HD-PT: The SIP/HD and SIP/HD-PT are for 12–16 gauge steel studs. The SIP/HD-PT is for applications where a reduced thread length is needed to prevent panel-jacking. This fastener is not suitable for use with concrete or CMU.

(continued)

Q: What length of fastener is needed?

A: For steel, concrete and CMU applications, a minimum of 1.0" penetration is required into the base wall. For wood studs a minimum penetration of 1.5" is required and this can include wood sheathing if present. For concrete and CMU applications pre-drill a 3/16" pilot hole at least 0.5" deeper than intended fastener embedment.

Q: How many fasteners are needed?

A: The fastening pattern is determined by several factors including stud spacing, Xci panel thickness, and the weight being supported by the fastener. Use our NTA Engineering Evaluation Report to determine the correct pattern. The technical team at Hunter Panels is available to assist with this. We also have a Tech Topic that provides guidance on how to use the fastening report and includes an example.

Q: Do the fasteners countersink?

A: No, the fasteners are not meant to countersink. The head should rest on the surface of the panel.

PRO TIP:

Speed up installation by going slower for steel, concrete and CMU applications. Higher drill speeds create excess heat from friction which can cause fasteners to soften and lose their edge.

- For SIP/SD and SIP/SD-PT fasteners going into light gauge steel: 1500-2000 RPM
- For SIP/SD and SIP/SD-PT fastener going into concrete/ CMU: 900-1500 RPM
- For SIP/HD and SIP/HD-PT fasteners going into heavy gauge steel: 900-1500 RPM

Q: What tools are used to install these fasteners?

A: Typically a screw gun is used to install these fasteners. For concrete and CMU applications, an impact driver may also be used.

Please feel free to contact our technical team for assistance by reaching out to our group email, huntertechnical@hpanels.com, or by calling the office at 888-746-1114.