

## Proper Installation Tools

The selection of proper tools for the fastening of panels is critical for the ease of installation, proper watertight sealing, and the integrity of the connection.

### Screw Guns

The correct choice of the screw gun is essential to ensure the fastener can perform properly. A battery powered or corded screw gun with the proper rpm speed is recommended.

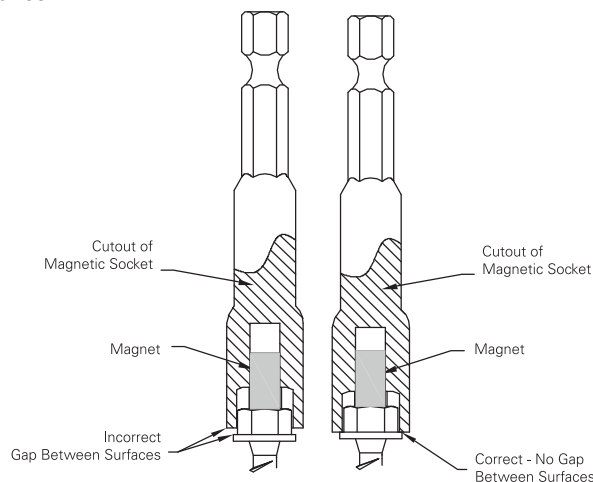
Application	RPM Speed
Panels to wood	2,500
Panels to metal - self-drill	2,000
Panels to metal - self-tap	1,000

The use of higher speed guns for wood applications can result in overtightening or stripping out the fastener. Attempting to install self-drill fasteners into steel substrates with faster guns can result in fastener failure due to the points burning up.

Impact guns are **NOT** recommended for fastening panels. With the higher torque produced by these guns, fasteners can be easily over driven to the point of the washer being over tightened or the fastener breaking. Additionally, the impacting action can cause excessive paint damage to the fastener heads and thread strip out.

### Drive Sockets

Hex drive sockets with a recessed magnet, set to the proper depth, and a lobular design can help to reduce damage to the painted fastener head and increase stability during driving. SFS drive sockets have magnets set to a precise depth to ensure a correct fit. The installer should make sure the outer edge of the socket is resting firmly on the washer face of the fastener head for the most stable drilling performance.



### Fastener Installation - Water Tightness

In order to ensure long term integrity of a building structure, achieving water tightness in the connection of exterior metal panels is critical and essential in the installation. It is important to install fasteners so the washer is properly seated, allowing the EPDM sealing material to seal and perform as intended. Both over tightening and under tightening can lead to water leaks. The use of a depth setting nosepiece is always recommended.

