



HOME of MAGNUM BOARD

“The New Generation Building Material”

“Install It For Health-Install It For Life”

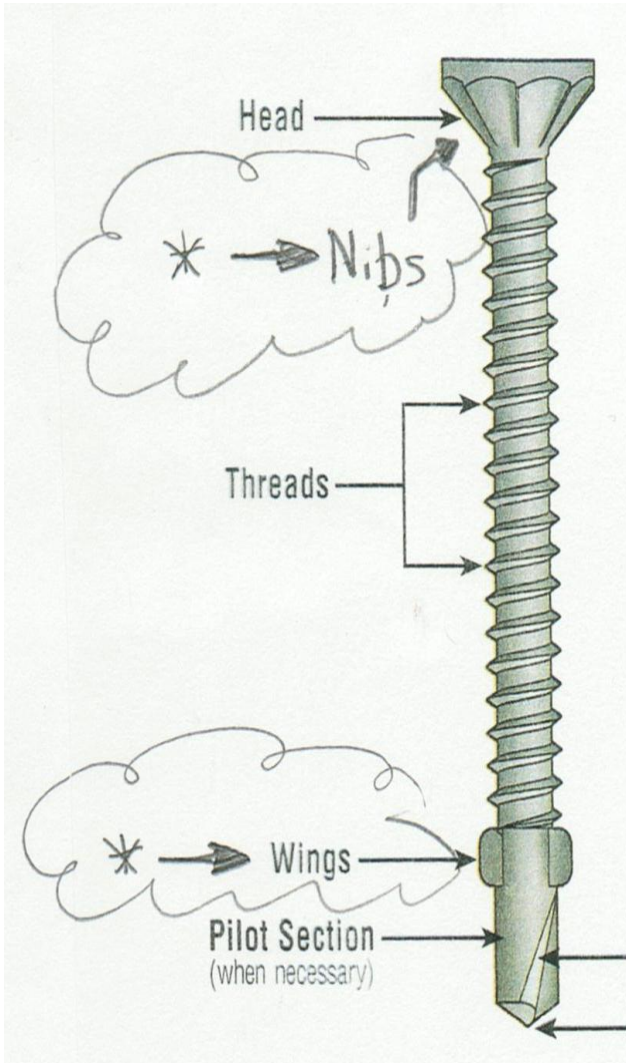
TECHNICAL BULLETIN No.:	113011-1148
Subject:	Fastener Design and Material Recommendations
Issue Date:	November 30, 2011
Issue No.:	III

RECOMMENDATIONS FOR FASTENING MAGNUM BOARD® PRODUCTS TO WOOD MATERIALS USING SCREWS:



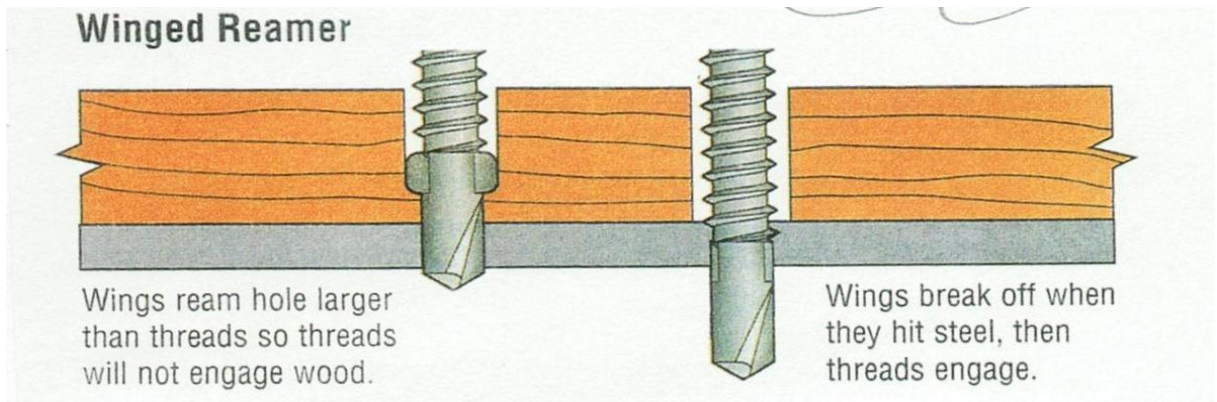
- When fastening to treated woods and working in salt air environments, always use a stainless steel fastener. For other materials, use a fastener that has passed the 2,000 hour salt spray test which is a standardized test method used to test the corrosion resistance of the fastener. Use of stainless steel fasteners is for all materials is the MBP preferred fastener material of construction.
- Thread type should be offsetting as seen in the diagram to the left.
- Nibs under the head allow for the head to countersink into the Magnum Board product being installed.
- Fastener should have very sharp point.

RECOMMENDATIONS FOR FASTENING MAGNUM BOARD
 PRODUCTS TO LIGHT GAUGE STEEL MATERIALS USING SCREWS:



- When fastening to treated woods and working in salt air environments, always use a stainless steel fastener. For other materials, use a fastener that has passed the 2,000 hour salt spray test which is a standardized test method used to test the corrosion resistance of the fastener. Use of stainless steel fasteners for all materials is the MBP preferred fastener material of construction.
- Utilizing a fastener with nibs under the head easily accommodates countersinking of head.

- **Wings:** Drills thru the Magnum Board® product allowing for close edge fastening without cracking board.
- **Flute:** For fastening into light gauge materials.
- **Point:** Self tapping for drilling thru light gauge materials.



RECOMMENDATIONS FOR FASTENING MAGNUM BOARD® PRODUCTS

TO WOOD OR METAL MATERIALS USING PNEUMATIC PINS:

- Magnum Building Products recommends using E T & F products or equal.
Refer to E T & F website: <http://www.etf-fastening.com/>
- Generally, their recommendations are as follows:
 - ET & F AKN-100 (.100" X .25 X 1.5") - Face nailing to metal
 - ET & F AST-075-0200G - MB Trim to Metal
 - ET & F AGS-100 (.100 X .313" X 1.5") - MB Blind nailing to metal
 - ET & F ASM-144-125 (P/C/M) - MB Blind nailing to masonry
- Contact E T & F direct for their specific recommendations and distributors local to your project.
- When fastening to treated woods and working in salt air environments, always use a stainless steel fastener. For other materials, use a fastener that has passed the 2,000 hour salt spray test which is a standardized test method used to test the corrosion resistance of the fastener. Use of stainless steel fasteners is for all materials is the MBP preferred fastener material of construction.

GENERAL FASTENER RECOMMENDATIONS:

- Length and diameter of fastener depends on type and thickness of Magnum Board product being installed. Always work with a reputable fastener company for proper product and use directions.
- Head types:



Square Recess

Square recess types are being used more and more as they are very resistant to cam-out which means the tip of the tool does not slip out and mar the screw head very easily. Commonly found in two sizes: Square #2 and #3.



Phillips

This screw drive type is very popular and you find them in a very wide range of applications. Common sizes are Phillips #1, #2 and #3. The most common Phillips size is #2.

Fastener Disclaimer:

- ✓ Always work with a reputable fastener manufacturer and / or supplier using their recommended materials of construction and sizes based on the environment in which you are installing Magnum Board®, the type and size Magnum Board® product being installed and the materials Magnum Board® is being fastened to.
- ✓ Always use the recommended fastener designs depicted herein.
- ✓ Magnum Building Products is not responsible for use of improper fastener designs or materials of construction.