



# MARKETING BULLETIN

## Painted Head Drywall Screws, Gimlet and Tek Points

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One of the most common application methods for Tectum™ Interior Panels is screw attachment to furring. The furring can be either wood or metal. The use of screw attachment for interior panels is widely accepted. The proper installation of the screws result in an installation where the heads are difficult to find even when viewed from a short distance. The screw heads are painted to match either the painted white panels or the natural panels. The screws are installed so that the screw head is flush with the surface of the Tectum panel. Do not countersink the heads. The texture of Tectum panels helps hide the screw head.

The screws have been tested for pull-through resistance. One inch thick Tectum panels were used. Five samples were tested. These samples had an average weight of 1.74 pounds per square foot. A dead load was applied at five-pound increments at one minute intervals. Failure was defined at screw head pull-through.

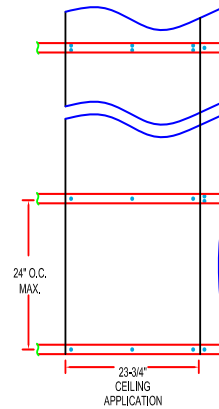
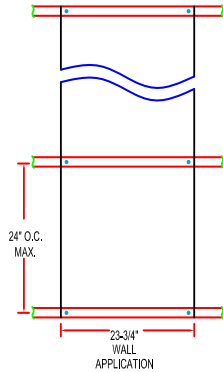
<u>Test Results</u>	<u>Lbs./Sq. Ft.</u>	<u>Load at Failure</u>
Sample 1	1.74	75 lbf.
Sample 2	1.74	90 lbf.
Sample 3	1.78	115 lbf.
Sample 4	1.70	90 lbf.
Sample 5	1.74	115 lbf.
<b>Average:</b>		<b>97 lbf.</b>

Painted head drywall screws are available with either white or natural painted heads. Lengths of screws are available for attachment of a variety of thicknesses. Add the drywall thickness to panel thickness for screw length when attaching through the panel and drywall to furring or support. Use screws with gimlet point for wood and metal with gauges greater than 20. Use Tek point for metal with gauges 14 to 20. Available screw sizes are as follows in packages of 1000 pieces:

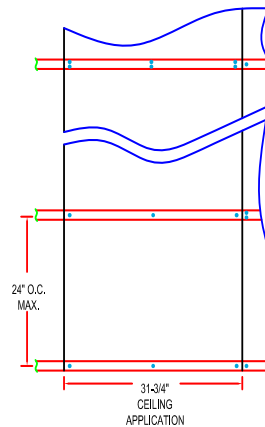
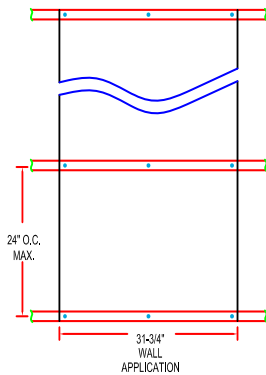
<u>Code Number</u>	<u>Length</u>	<u>Type</u>	<u>Color</u>	<u>Use with up to</u>
713-11580	1 5/8"	gimlet	Natural	1" Total Thickness
713-11581	1 5/8"	gimlet	White	1" Total Thickness
713-12140	2 1/4"	gimlet	Natural	1 5/8" Total Thickness
713-12141	2 1/4"	gimlet	White	1 5/8" Total Thickness
713-13000	3"	gimlet	Natural	2 1/4" Total Thickness
713-13001	3"	gimlet	White	2 1/4" Total Thickness
713-14000	4"	gimlet	Natural	3 1/4" Total Thickness
713-14001	4"	gimlet	White	3 1/4" Total Thickness
713-12580	1 5/8"	Tek	Natural	1" Total Thickness
713-12581	1 5/8"	Tek	White	1" Total Thickness
713-12380	2 3/8"	Tek	Natural	1 5/8" Total Thickness
713-12381	2 3/8"	Tek	White	1 5/8" Total Thickness

# TYPICAL ATTACHMENT METHODS

IN HIGH IMPACT AREAS FURRING FOR ONE INCH TECTUM PANELS ON WALLS SHOULD NOT EXCEED 16" O.C. FURRING SPACING OF 24" O.C. IS ACCEPTABLE FOR 1-1/2" AND 2" PANELS IN HIGH IMPACT AREAS. FOR WALL APPLICATIONS OF 23-3/4" WIDE PANELS, PLACE THE FURRING PERPENDICULAR TO THE PANEL AT 24" O.C. AND AT THE TOP AND BOTTOM OF THE PANELS. SPACE THE SCREWS 1" AND 2" FROM EACH PANEL EDGE AT EACH FURRING INTERSECTION. ON CEILING USE 3 SCREWS PER FURRING.



FOR WALL APPLICATIONS OF 31-3/4" TECTUM PANELS, SPACE THE FURRING ST 24" O.C. WITH FURRING AT THE TOP AND BOTTOM OF THE PANEL PERPENDICULAR TO THE PANEL DIRECTION. THREE SCREWS PER FURRING ARE REQUIRED. LOCATE THE SCREWS 1" TO 2" FROM EACH PANEL EDGE AND CENTERED. USE THE SAME SCREW PATTERN FOR CEILING APPLICATIONS.



FOR WALL APPLICATIONS OF 47-3/4" TECTUM PANELS, SPACE THE FURRING AT 24" O.C. WITH FURRING AT THE TOP AND BOTTOM OF THE PANEL PERPENDICULAR TO THE PANEL DIRECTION. THREE SCREWS PER FURRING ARE REQUIRED. LOCATE THE SCREWS 1" AND 2" FROM EACH PANEL EDGE AND CENTERED. WHEN USING 47-3/4" WIDE PANELS ON CEILINGS ATTACH TO THE FURRING WITH FIVE SCREWS PER FURRING. IN HIGH ABUSE AREAS SUCH AS GYMNASIUM WALLS UNDER 10 FEET AND GYMNASIUM CEILINGS UNDER 20 FEET, THE USE OF A 3/8" CONTINUOUS BEAD OF A CONSTRUCTION ADHESIVE CAN BE USED TO SUPPLEMENT THE SCREWS. IT IS ALSO ACCEPTABLE TO ADD A SCREW PER FURRING WHEN REPEATED IMPACTS TO THE PANELS ARE ANTICIPATED.

