



ANSWER ANCHORS — SURFACE APPLIED						
Anchor Size (inches)	Fixture Clearance Hole	H2	W2	L	PERFORMANCE DATA	
		Flat Head		Length of Anchor (inches)	In 4000 psi Concrete	
		Height	Width		Tensile (lbs.)	Shear (lbs.)
		Ref	Ref			
1/4	1/4	1/8	7/16	1 9/16	190	280

<b>Description</b>	<p>A fastening system that consists of two parts:</p> <ol style="list-style-type: none"> <li>1. A #10 x 1 1/2" long stainless steel flat-head, square-drive screw, with powder coated painted head to match panels.</li> <li>2. A Hilti HUD-1 Universal anchor designed for concrete attachment applications.</li> </ol>
<b>Applications/ Advantages</b>	<p>Installation is achieved by starting the stainless steel screw into the Hilti anchor. Insert screw and anchor into the pre-drilled hole in the panel and apply downward pressure until the anchor presses through the panel to the top of the concrete slab. Tighten the screw with the screw gun until the screw is set into the countersunk dome and the anchor is secure. The anchor withstands temperatures ranging from -40°F to +176°F.</p>
<b>Material</b>	<ol style="list-style-type: none"> <li>1. Anchor is made of PA 6 polyamide and contains no heavy metals, cadmium, lead, halogens or silicones. The anchor withstands temperatures ranging from -40°F to +176°F. Anchors may be installed in temperatures ranging from +14°F to +104°F.</li> <li>2. Screws are #10 x 1 1/2" long stainless steel flat-head, square-drive screws, with powder coated painted heads to match the color of the panels to be installed.</li> </ol>
<b>Anchor Spacing</b>	<p>Anchors are installed in all preformed fastener locations. Additional anchors may be added at any dome location, if required by special circumstances at the installation location. See "Surface Applied Installation Instructions".</p>
<b>Minimum Hole Depth</b>	<p>Using a 1/4" rotary hammer bit, drill each hole to a depth of at least 1/4" deeper than the length of the anchor, or 1 7/8" in depth. Likewise, the thickness of the concrete base should be at least 3 1/2". Start from the middle hole and work your way out from the center.</p>
<b>Tensile Strength</b>	<p>The universal anchor shall not be removable or show evidence of failure when subjected to axially applied proof test loads as specified in the above table when set in concrete of 3000 psi compressive strength. The suggested safe working load is one-fourth the loads shown in the table above.</p>