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**Technical Data Sheet**  
**Typical Performance Parameters**

**Item: Self Drilling / Self Tapping Polymer Coated Tek Screw**  
*Neoprene sealing washer available.*

**Standard Sizes: 1-1/2" - 5" long**

**Chemical Identification**

**Color**

**Cure**

**Filler:**

**Organometallic Polymer**

**Silver/Metallic Gray**

**Thermoset**

**Coated Metal Powder**

**Typical Film Properties:**

**Humidity Resistance**

**Excellent**

**Solvent Resistance**

**Excellent**

**Impact Resistance**

**Excellent**

**UV Resistance**

**Excellent**

**Heat Resistance**

**To 400° F**

**Cold Temperature Resistance**

**To -50° F**

**Fastener(s)**

**Various**

**Base Treatment**

**.0008" Mechanical Zinc**

**Film Thickness:**

**.0008" ± .0002"**

**.0015" average**

**Test Method:**

**Material: ASTM C954**

**Finish: Salt Spray, ASTM. B117** 1,000 hrs minimum  
**No sign of rust**

**Pull-out Values (avg. lbs. ult.)**

**20 ga. 321 lbs.**

**18 ga. 537 lbs.**

**16 ga. 701 lbs.**

**14 ga. 981 lbs.**

**12 ga. 1802 lbs.**

**Tensile (min.) 2100 lbs.**

**Shear (avg. lbs. ult.) 1400 lbs.**



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## Drilling / torque inspection record

Order no : J041338

Item : self drilling tek screw

Specification : #12x2", 3", 4" 304 St/St Premium Screw

Testing date : 2006/5/25



Drilling / Torque standard				Drilling / Torque result			
Steel sheet thickness	3 mm	Load	25 Kg	Slow drilling speed	0 Pcs	Torque fail	0 Pcs
Drilling time	6.5 Sec	Drilling quantity	25 Pcs	Not drilling	0 Pcs	Break down	0 Pcs
Drilling speed	1800~2500 rpm						
Torque	105 Kg-cm	Torque quantity	5 Pcs	Average time	3.2 Sec		
Result	<b>Qualified</b>						

Drilling test									
1	2	3	4	5	6	7	8	9	10
2.8	2.7	1.9	3.3	2.5	3.9	2.5	4.7	3.5	3.0
11	12	13	14	15	16	17	18	19	20
3.3	3.5	3.7	3.9	3.6	2.7	3.4	2.4	2.5	5.5
21	22	23	24	25	26	27	28	29	30
4.9	1.8	2.7	2.5	2.5					
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50

torque test									
1	2	3	4	5	6	7	8	9	10
112	115	111	117	118					

**The torque values for references only**

Pull Out Values	18 ga Stud	16 ga Stud
	Avg. 641 lbs	Avg. 899 lbs

## Self-Drilling Self Tapping Screws

### **Self-Drilling Self Tapping Screws**

- Standard size #10 – 16 x 1 1/2" Hex Washer Head.  
(suitable for up to 5/8" sheathing).  
Other sizes available.
- Zinc plated, polymer coated, or Type 410  
stainless steel.
- Neoprene sealing washer available.



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