

## TEST REPORT: 7191088977-CHM14-02-PGK

Date: 16 JUN 2014

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Client's Ref:

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### SUBJECT

Humidity Test on Screws

### CLIENT

EJOT Asia Pacific Pte Ltd  
32 Old Toh Tuck Road  
#04-05  
I.Biz Centre  
Singapore 597658

Attn: Mr Noel Yu

### SAMPLE SUBMISSION DATE

24 Feb 2014

### DATE TEST CONDUCTED

12 Mar to 23 Apr 2014

### DESCRIPTION OF SAMPLE

One sample of self drilling screws described as follows, was submitted by the above client:

Brand : "EJOT"  
Model : JT2-6-5.5X25 C1000  
Quantity : 5



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**METHOD OF TEST**

1. AS 3566.2 - 2002  
"Self-drilling screws for the building and construction industries –  
Part 2 : Corrosion resistance requirements"
2. ASTM D2247 - 2011  
"Standard Practice for Testing Water Resistance of Coatings in 100% Relative Humidity"

Test conditions:

Temperature	: 38 ± 1°C
Relative humidity	: 100%
Exposure period	: 1,000 hours
Position of specimens	: Inclined 15° from vertical

Method of Assessment

AS/NZS 1580.481.1.9 - 1998  
"Paints and related materials – Methods of test  
Method 481.1.9 : Coatings – Exposed to weathering – Degree of blistering"

**RESULTS**

Test Conducted	"EJOT" JT2-6-5.5X25 C1000 Self Drilling Screws	AS 3566.2 : 2002 Class 3 Requirements
Water Resistance in 100% relative humidity, 1,000 hours	No blistering of coating on all five tested screw heads	<u>Screw heads</u> : - No blister larger than size 3 - No blistering greater than density 1

Remark : Test was conducted on five screws mounted in non-metallic fixture.

All five tested screws met AS 3566.2 : 2002 Class 3 requirements on water resistance  
in 100% relative humidity.

MS PECK GEOK KHOON  
TECHNICAL EXECUTIVE

MRS WONG-LIN TAI HOE  
PRODUCT MANAGER  
COATINGS  
CHEMICAL & MATERIALS

"EJOT" JT2-6-5.5X25 C1000 Self Drilling Screws



Figure 1. Before Test



Figure 2. After 1,000 hours of water resistance test in 100% relative humidity

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July 2011

