rutec
Carl-Zeiss-Str. 15
28857 Syke

Salt Spray Test Report

Test Target：

Evaluate Clasp connector's resistance to salt spray。

Reference Standard

GB/T 6461-2002 Methods for corrosion testing of metallic and other inorganic coatings on metallic substrates--Rating of test specimens and manufactured articles subjected to corrosion tests

Experiments：

Neutral Salt Spray test（NSS）

Test Equipment：

Salt spray chamber，model：YWX-60

Test Sample：

No	Sample	Material	QTY	Time	Picture
1	Clasp connector (Anti-skidding Clip)	Beryllium Copper	5PCS	96H	
2	Clasp connector (U Steel Plate)	Stainless Steel	5PCS	96H	
3	Mounting clip (for self lock aluminum profile)	Beryllium Copper	5PCS	96H	
4	Mounting clip (for self lock aluminum profile)	Beryllium Copper	5PCS	96H	

Test implementation：

Test Condition：

1.Compressed air，dust free、greaseless，air pressure keep in 1.0±0.1kgf/cm2

2.Test Solution：

（1）Sodium chloride and distilled water (5% concentration)

（2）PH range from 6.5-7.2（T=35º±2C）。

（3）NaCl concentration in 40-60ml。

3. Test temperature at 35±2 ºC。

Test Record：

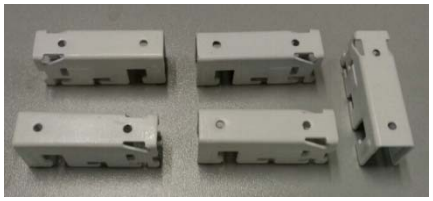
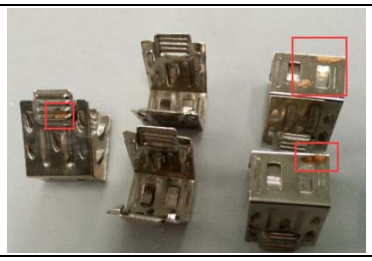
Start Time：2015.1.7 End time:2015.1.11			
Sample	**Before Test**	**After Test**	**Rating**
Clasp connector (Anti-skidding Clip)			9
Clasp connector (U Steel Plate)			10
Mounting clip (for self lock aluminum profile)			10
Mounting clip (for self lock aluminum profile)			8

Table--- Protection(R_P)and appearance(R_A)ratings

Area of defects A（%）	Rating R_p or R_A
No defects	10
0 < A ≦ 0.1	9
0.1 < A ≦ 0.25	8
0 .25< A ≦ 0.1	7
0.5 < A ≦ 1.0	6
1.0< A ≦ 2.5	5
2.5< A ≦ 5.0	4
5.0 < A ≦ 10	3
10< A ≦25	2
25< A ≦ 50	1
50 < A	0

Results and analysis：

After test, only the component's surface has tiny stain. The metallic parts is corrosion resistance.