

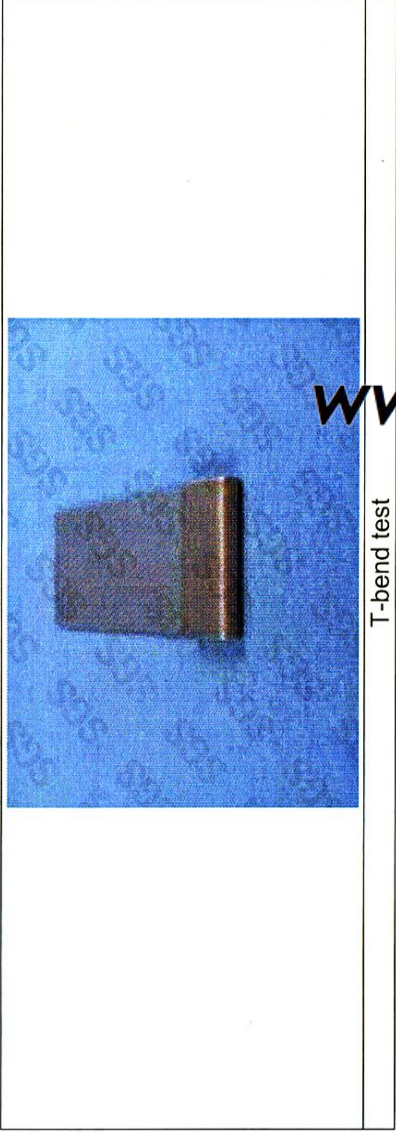
TEST REPORT

No. : GZMR110716337

Date : Sep 21, 2011

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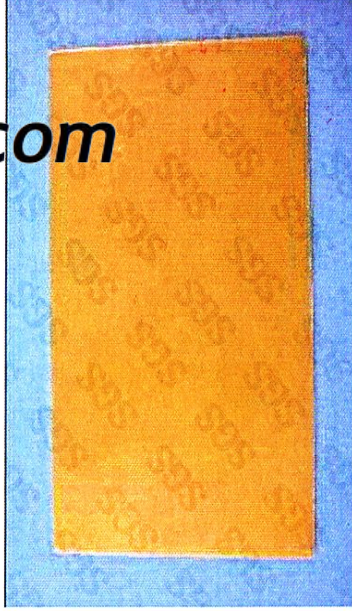
12. Oxide coating & apparent density

Test method: with reference to ASTM B137-95(2009)

Test result:

Test item	Results		
Oxide coating weight unit area,(mg/dm ²)	1	2	3
	21.6	23.1	21.6
Average	22.1		
Apparent density,(g/cm ³)	1	2	3
	0.93	1.00	0.93
Average	0.95		

Photo:



*****End of report*****

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GZMR 0125703

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GUANGDONG GAOLI ALUMINIUM INDUSTRY CO., LTD.
INDUSTRIAL DEVELOPMENT ZONE, YANGHE TOWN, GAOMING DISTRICT, FOSHAN, GUANGDONG,
P.R OF CHINA

The following sample(s) was/ were submitted and identified on behalf of the client as:


Sample Name : GLOBOND BRAND SOLID ALUMINIUM PANEL
SGS Ref No. : GP110720357-5.5
Test Performed : Selected test(s) as requested by applicant
Date of Receipt : Jul 26, 2011
Test Period : Jul 26, 2011 to Sep 06, 2011

Test result(s) : Please refer to the following page(s)

*****To be continued*****

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Signed for and on behalf of
SGS-CSTC Ltd.



May Huo
Engineer



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Test information:

Sample description: Metal product with coating
Test result:

No	Test item	Test method	Condition	Result
1	Color uniformity	AAMA 2603-2002 section 6.1 and ASTM D2244-11	---	$\Delta E^*_{ab} = 0.04$ (See note 1)
2	Gloss	AAMA 2603-2002 section 6.2 and ASTM D523-08	60° geometry	36
3	Dry film hardness	AAMA 2603-2002 section 6.3 and ASTM D3363-05(11)	Pencil: Mitsubishi®	Scratch hardness: 2H (See note 2)
4	Dry adhesion	AAMA 2603-2002 section 6.4.1.1	Space: 1mm Tape: Permaceel 99	No peeling
5	Wet adhesion	AAMA 2603-2002 section 6.4.1.2	Space: 1mm Tape: Permaceel 99 Immersed in water at 38°C for 24h	No blistering; No peeling
6	Impact resistance	AAMA 2603-2002 section 6.5	Diameter of the punch: 16mm Tape: Permaceel 99 Intrusion	No peeling
7	Muriatic acid resistance	AAMA 2603-2002 section 6.6.1	10% (v/v) HCl (See note 3,4) 15min, spot test covered	No blistering or other visual change
8	Mortar resistance	AAMA 2603-2002 section 6.6.2	38°C, 100% RH, 24h	No visual change
9	Boiling water adhesion	AAMA 620-02 section 7.4.1.3	Space: 1.6mm Tape: Permaceel 99 Immersed in boiling water for 20min	No blistering; No peeling
10	Oxide coating thickness	AAMA 611-98 section 9.1 and ASTM B244	---	3.2µm
11	T-bend test	AAMA 620-02 section 7.6 and ASTM D4145-10 section 6.1	Tape: Permaceel 99	No pick-off : 2T

*****To be continued*****

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TEST REPORT

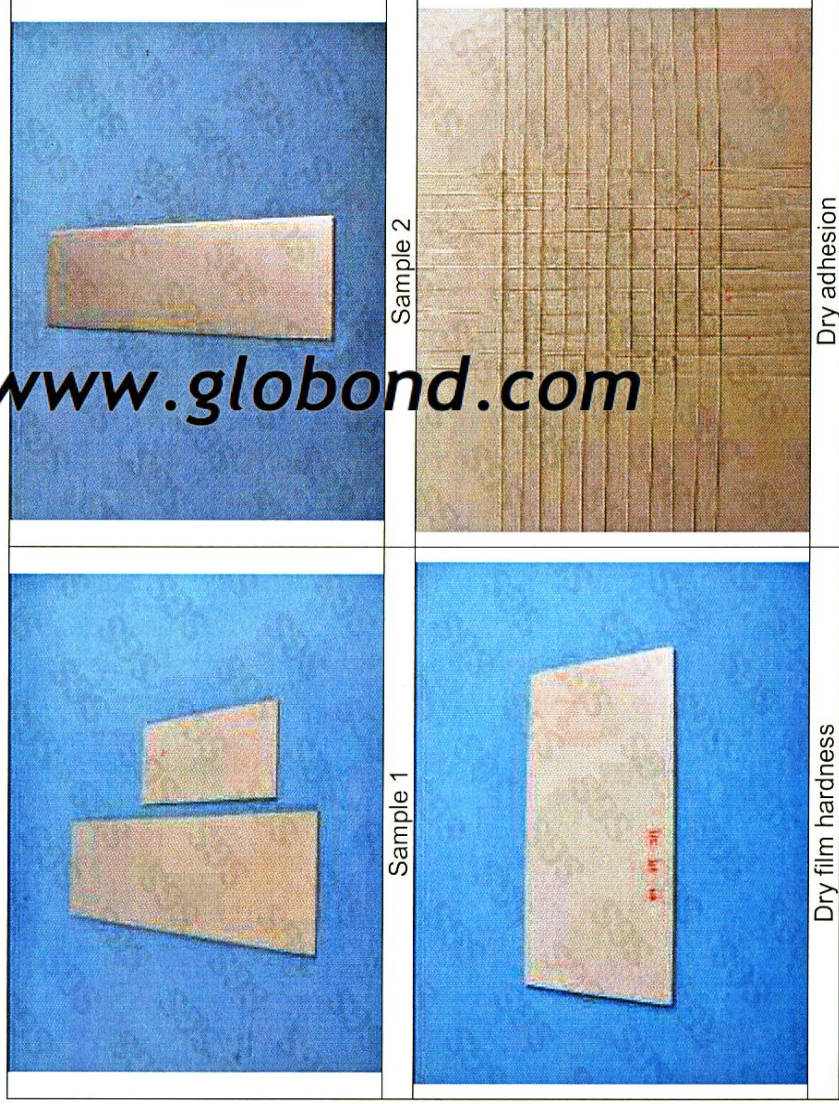
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- Note: 1. ΔE^*_{ab} values were measured by sphere spectrophotometer, and under D65 standard light source with 10° observer
- In ASTM D3363, 6H is the hardest and 6B is the softest
 - Muriatic acid: AR
 - The volume of muriatic acid means the volume of 37% hydrochloric acid when preparing the solution
 - Sample 1 was used for test item 1-10
 - Sample 2 was used for test item 11
 - The sample of test item 10 was submitted by client for the second time, because the size of the sample submitted for the first time was not suitable for the test. Date received: 2011-8-2

Photo:



Dry film hardness

Dry adhesion

*****To be continued*****

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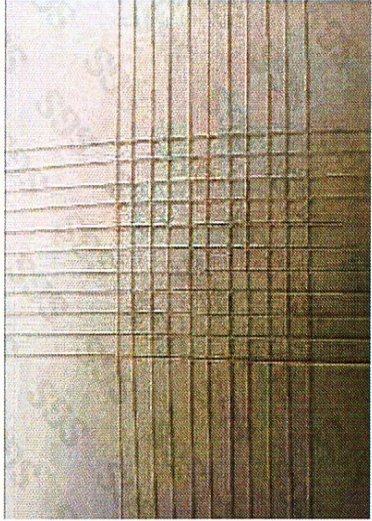
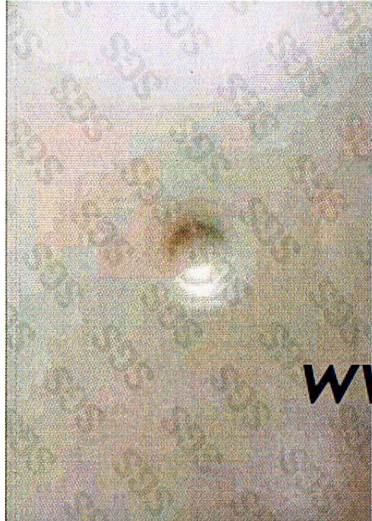
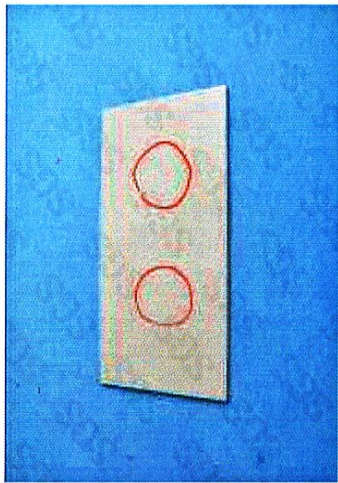
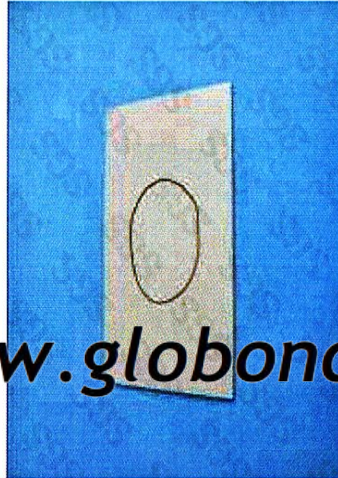
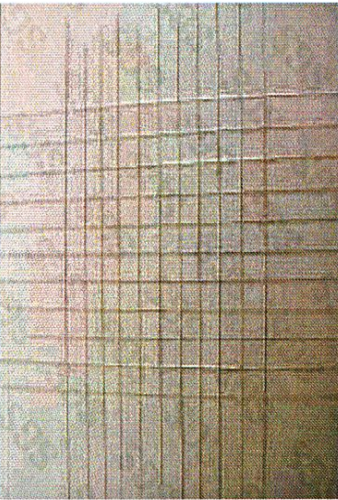
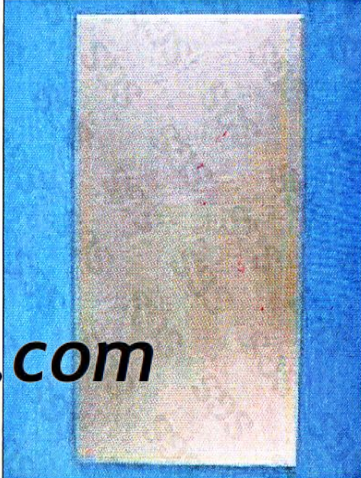
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Wet adhesion	Impact resistance
	
Muriatic acid resistance	Mortar resistance
	
Boiling water adhesion	Oxide coating thickness

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*****To be continued*****

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