

No. : GZMR110817054-01

Date : Sep 01, 2011

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SOIS' MENDINNI INC.

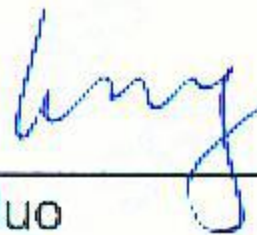
ROOM 301, NO.1471 GUMEI ROAD, SHANGHAI, CHINA 201102

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

Sample Name : E-BELMAX  
Manufacturer : 上海威而富装饰材料有限公司  
SGS Ref No. : GP110820375-2.1  
Test Performed : Selected test(s) as requested by applicant  
Date of Receipt : Aug 03, 2011  
Test Period : Aug 03, 2011 to Aug 12, 2011  
Test result(s) : Please refer to the following page(s)

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

Signed for and on behalf of  
SGS-CSTC Ltd.

  
\_\_\_\_\_  
May Huo  
Engineer

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### Test Information:

Sample description: See photo

No.	Test item	Test method	Test condition	Result
1	Compressive strength	ISO 604:2002	Specimen: 29.9×19.9×30.0mm Testing speed: 3mm/min	138MPa
2	Flexural strength (solid sample)	With reference to ISO 178:2010(E) Method A	Specimen: 300×19.8×19.8mm Testing speed: 5.6mm/min Span: 260mm	104MPa
3	Flexural modulus (solid sample)			10030MPa
4	Flexural strength (layer sample)		Specimen: 300×19.7×18.8mm Testing speed: 5.6mm/min Span: 260mm	49.9MPa
5	Flexural modulus (layer sample)			6470MPa
6	Tensile strength		With reference to ISO 527-1:1993Amd. 1:2005 and ISO 527-2:1993 Cor. 1: 1994	Dumbbell specimen middle width: 13.4mm Dumbbell specimen middle thickness: 19.8mm Testing speed: 5mm/min
7	IZOD notched Impact strength	ISO 180-2000Amd. 1:2006	Specimen: ISO 180/A Specimen thickness: 4.94mm The capacity of pendulum: 1J	2.4kJ/m <sup>2</sup> C(complete break)
8	Water absorption	ISO 62:2008 Method 1	Specimen: 60×60×19.8mm Drying condition: 50±2℃, 24h Immersion condition: 23±2℃, 24h	0.52% (see table 1)
9	Rockwell hardness (HRR)	ASTM D785-08 Procedure A	Specimen thickness: 18.6mm	113

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

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No.	Test item	Test method	Test condition	Result
10	Xenon-arc Exposure	With reference to EN 438-2 :2005 section 27, EN 20105-A02:1994 and client's requirement	Irradiance: $(0.5 \pm 0.03)$ W/(m <sup>2</sup> ·nm)@340nm, Continues light at $(65 \pm 3)^{\circ}\text{C}$ BST, $(50 \pm 5)\%$ RH, Filter: Daylight, Exposure period: 48h	(see table 2 and note 1)
11	Impact resistance	EN 438-2: 2005 Section 21	Specimen thickness: 18.6mm	120cm

Table 1

No.	1	2	3	4	5	Average
Tensile strength, MPa	92.8	113	99.7	79.4	84.8	93.9
Water absorption, %	0.19	0.53	0.85	---	---	0.52

Table 2

Sample	Grey scale	Standard's requirement	Conclusion
Sample 1	4-5	Compare with grade 4 of the grey scale	Sample 1 > Grade 4
No.6 blue wool	3-4		

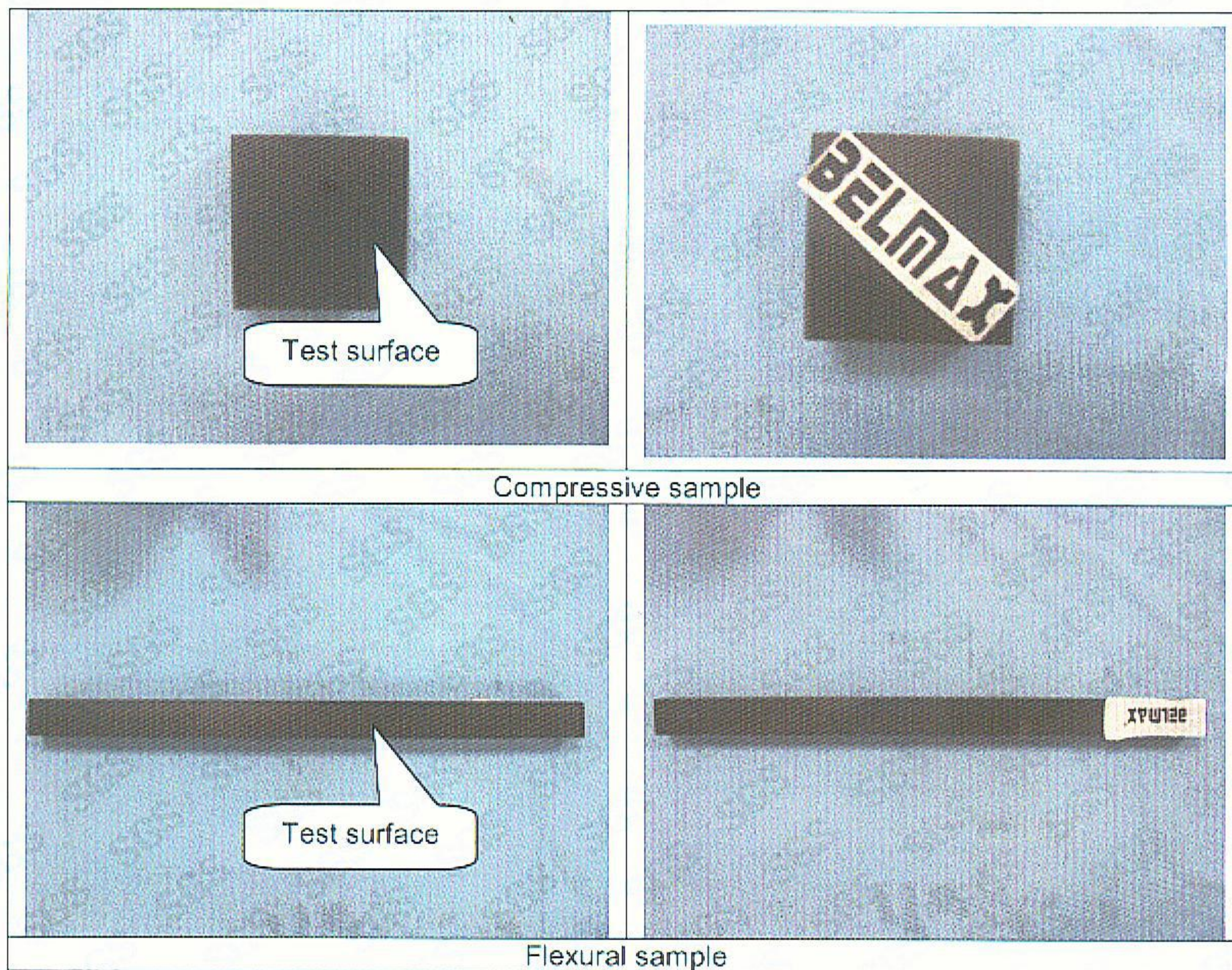
Note: 1. According to EN 20105-A02, the grey scale was determined under the D65 standard light, scale 5 is the best and scale 1 is the worst.

2. Test specimens of test item 7 were cut from the sample.

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

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Photo:



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

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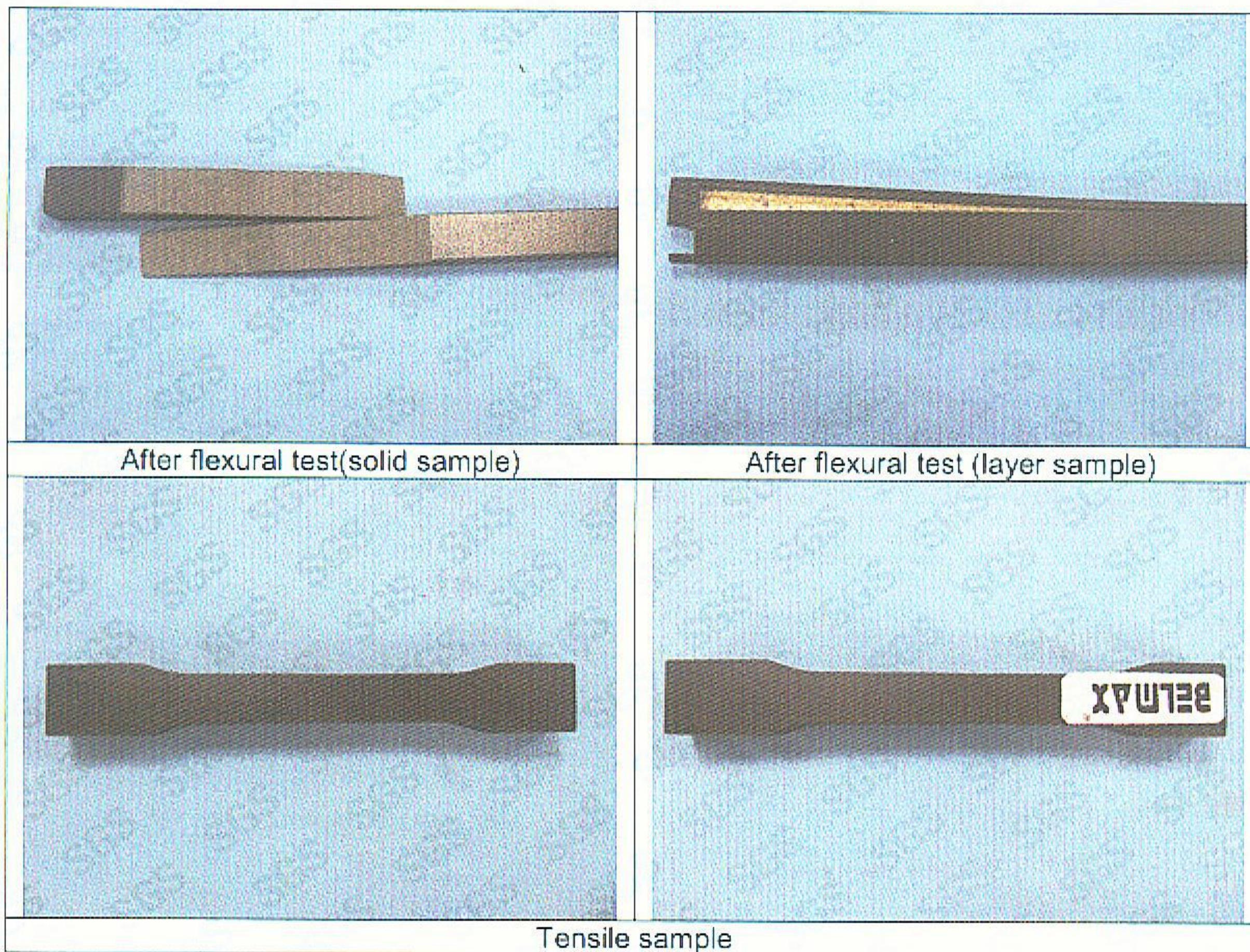


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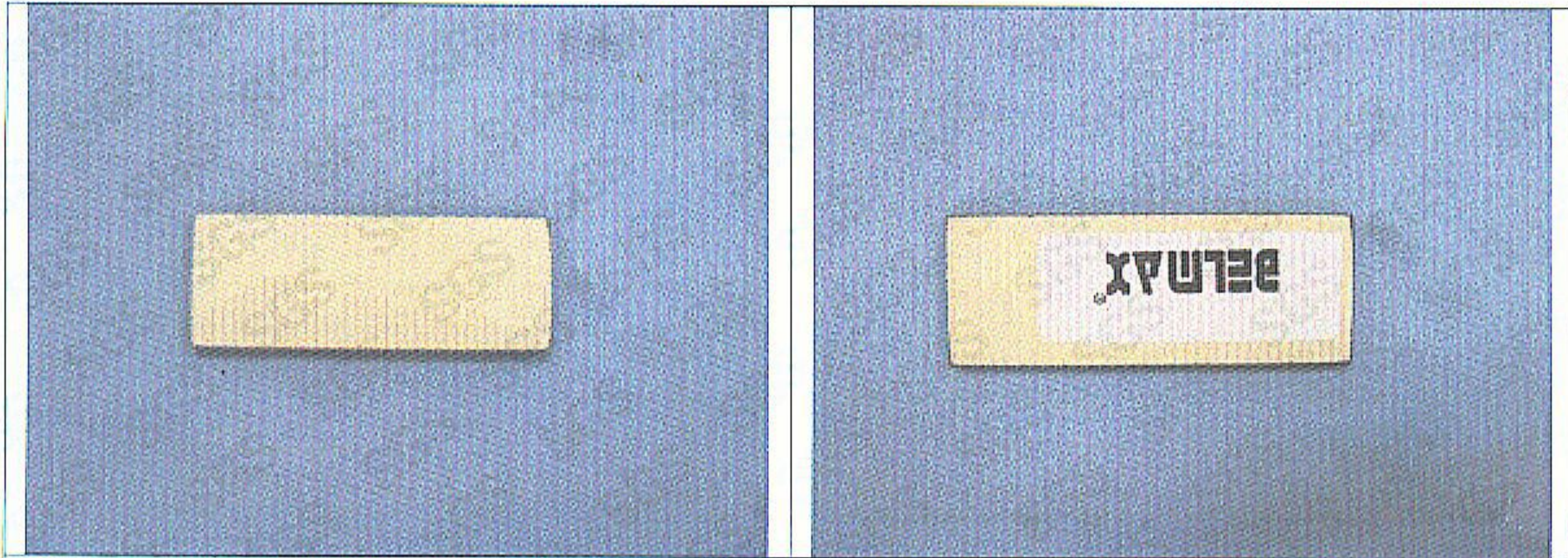
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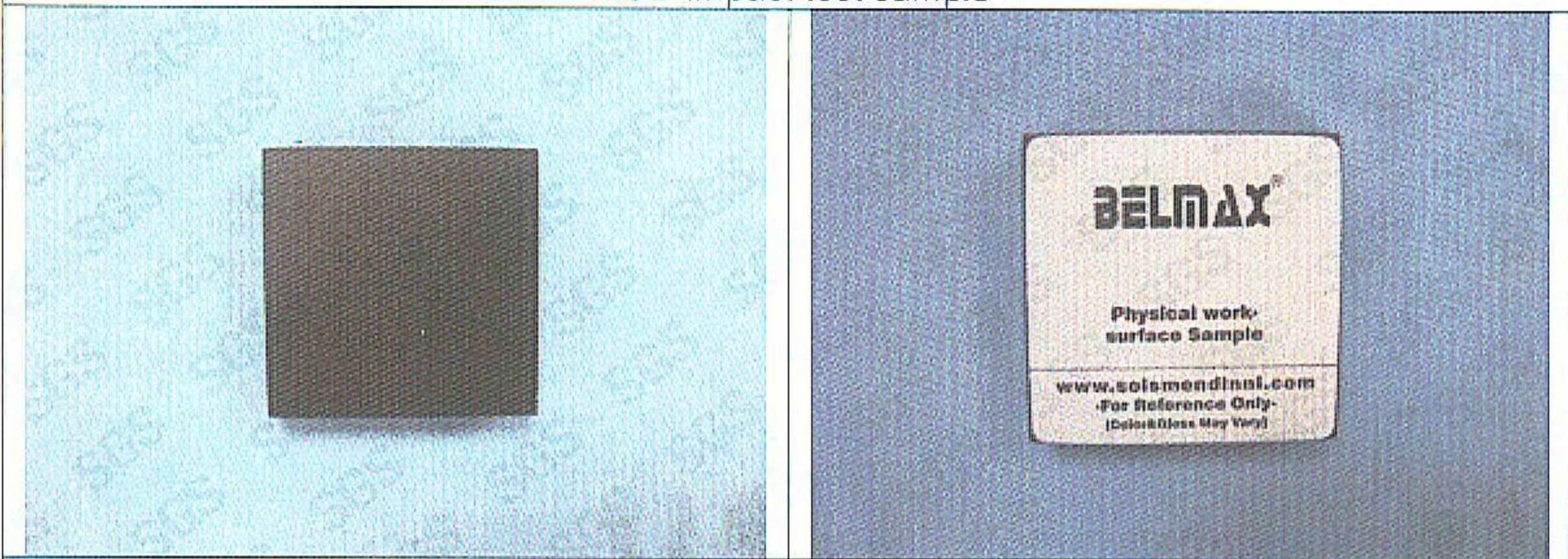


**GZMR 0121363**

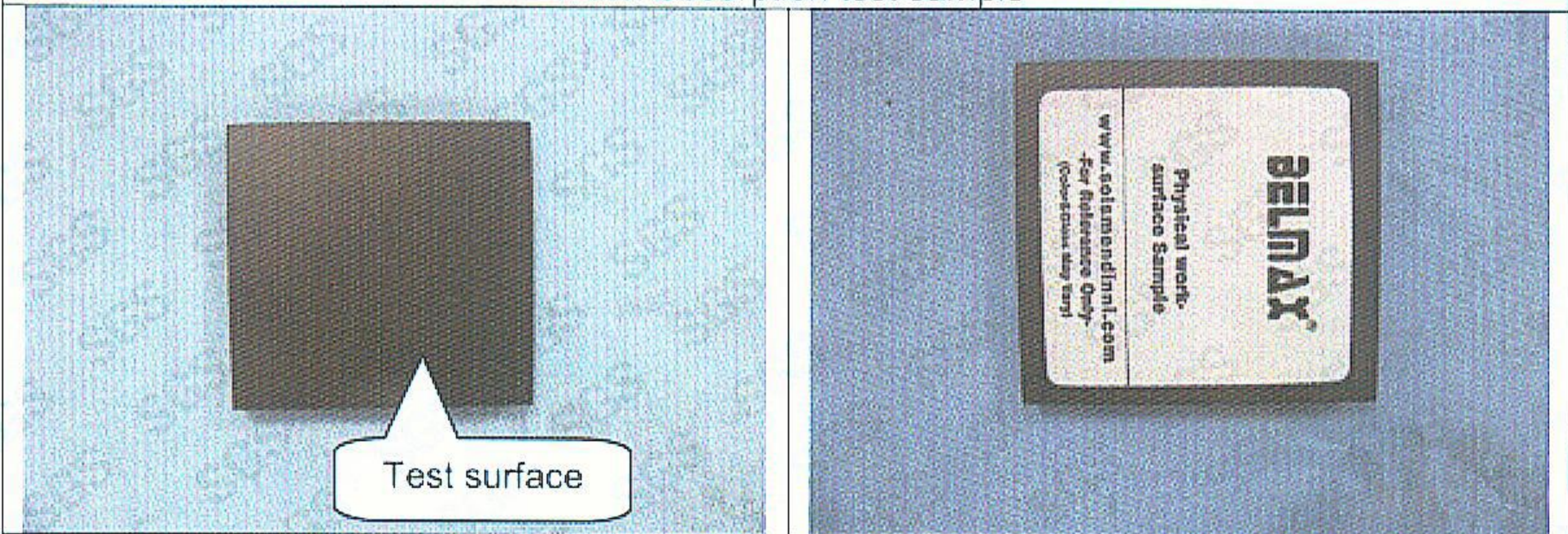
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IZOD impact test sample



Water absorption test sample



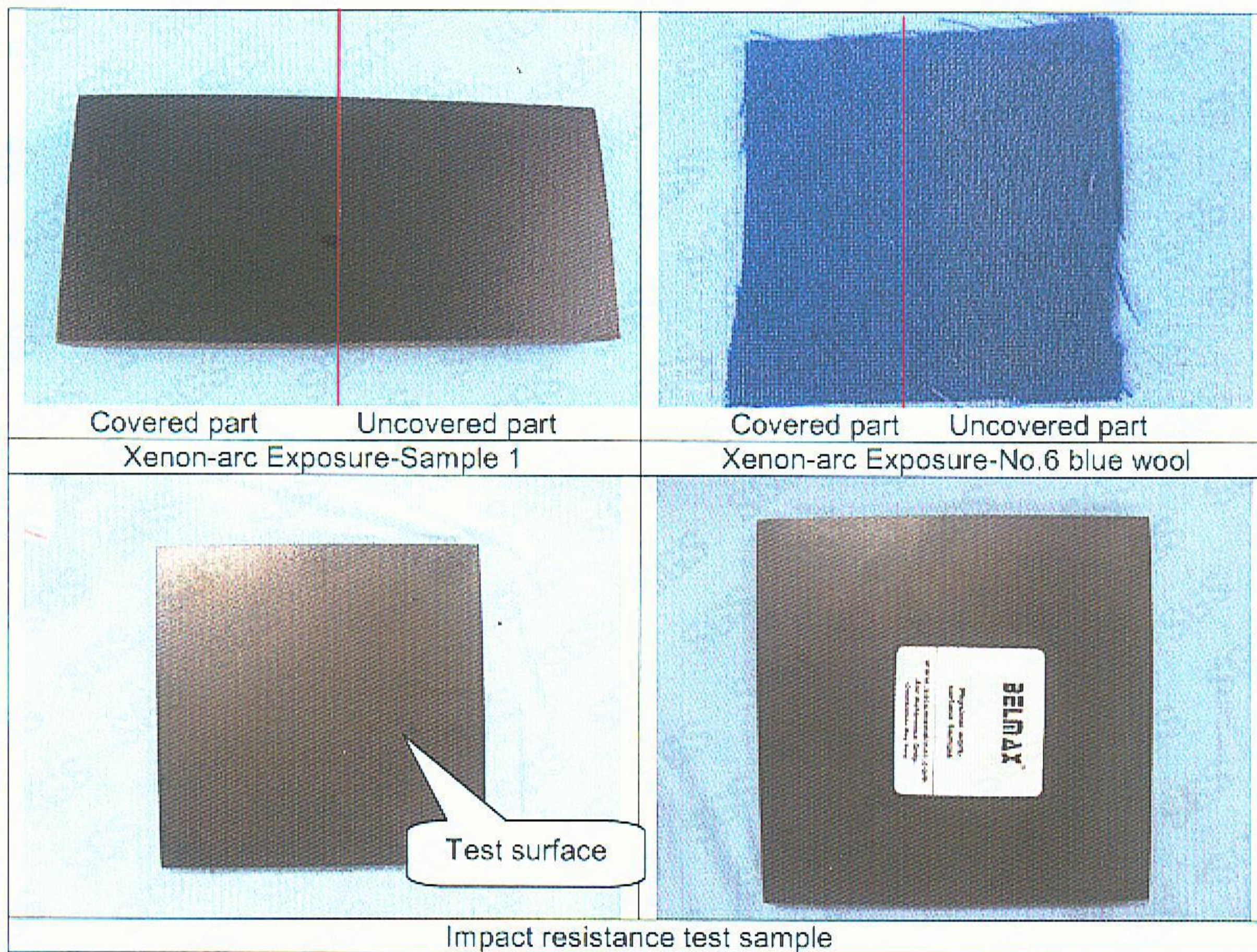
Rockwell hardness test sample

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

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

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