

CERTIFICATE



of Conformity
EC Council Directive 89/106/EEC
Construction Products

Registration No.: AC 50202358 0001

Report No.: 16031371 001

Holder: NOVAL GLASS GROUP LTD
NO. 33 SHANDONG ROAD, QINGDAO, CHINA

Product: Mirrors
Mirrors from silver-coated float glass

Identification: Type: COPPER AND LEAD FREE MIRROR
Thickness: 2mm, 3mm, 4mm, 5mm, 6mm
Attestation System: 4 (89/106/EEC)
Remark: Refer to test report 16031371 001 for details.

Tested acc. to: EN 1036-2:2008

This certificate of conformity is based on an evaluation of a sample of the above mentioned product. This is to certify that the tested sample is in conformity with all provisions of Annex I of Council Directive 89/106/EEC, in its latest amended version, referred to as Construction Products Directive. This certificate does not imply assessment of the production of the product and does not permit the use of a TÜV Rheinland mark of conformity. The holder of the certificate is authorized to use this certificate in connection with the EC declaration of conformity according to the above mentioned Directive.

Cologne, 26.04.2011





Certification Body

Dipl.-Ing. S. O. Steinke

TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg

CE The CE marking may only be used if all relevant and effective EC Directives are complied with. CE

Prüfbericht - Nr.: 16031371 001		Seite 1 von 2
<i>Test Report No.:</i>		<i>Page 1 of 2</i>
Auftraggeber: <i>Client:</i>	NOVAL GLASS GROUP LTD NO. 33 SHANDONG ROAD, QINGDAO, CHINA	
Gegenstand der Prüfung: <i>Test item:</i>	Mirror	
Bezeichnung: <i>Identification:</i>	Type: COPPER AND LEAD FREE MIRROR Thickness: 2mm, 3mm, 4mm, 5mm, 6mm	Serien-Nr.: <i>Serial No.:</i> N/A
Wareneingangs-Nr.: <i>Receipt No.:</i>	173057902	Eingangsdatum: <i>Date of receipt:</i> 07.03.2011
Prüfort: <i>Testing location:</i>	TÜV Rheinland (Guangdong) Co., Ltd. Construction Material Testing Center No.36, Yangping Road, Xinyang Industrial Zone, Haicang, 361022 Xiamen, China.	
Prüfgrundlage: <i>Test specification:</i>	EN 1036-2:2008 Glass in building - Mirrors from silver-coated float glass for internal use - Part 2: Evaluation of conformity; product standard	
Prüfergebnis: <i>Test Result:</i>	Der Prüfgegenstand entspricht oben genannter Prüfgrundlage(n). <i>The test items passed the test specification(s).</i>	
Prüflaboratorium: <i>Testing Laboratory:</i>	TÜV Rheinland (Guangdong) Co., Ltd. No.199 Kezhu Road, Guangzhou Science City Guangzhou 510663, P.R.China	
geprüft/ tested by:	kontrolliert/ reviewed by:	
Apr., 22 nd 2011 Luke Xu Engineer 	Apr., 22 nd 2011 Zhang Xin Reviewer 	
<u>Datum</u> <i>Date</i>	<u>Name/Stellung</u> <i>Name/Position</i>	<u>Unterschrift</u> <i>Signature</i>
<u>Datum</u> <i>Date</i>	<u>Name/Stellung</u> <i>Name/Position</i>	<u>Unterschrift</u> <i>Signature</i>
Sonstiges/ Other Aspects:		
1. The product are not for use as anti-bullet, or anti explosion glazing and use relating to energy conservation and/or noise reduction.		
Abkürzungen:	P(ass) = entspricht Prüfgrundlage F(ail) = entspricht nicht Prüfgrundlage N/A = nicht anwendbar N/T = nicht getestet	Abbreviations: P(ass) = passed F(ail) = failed N/A = not applicable N/T = not tested
Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens. <i>This test report relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any safety mark on this or similar products.</i>		



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Test Report No.:

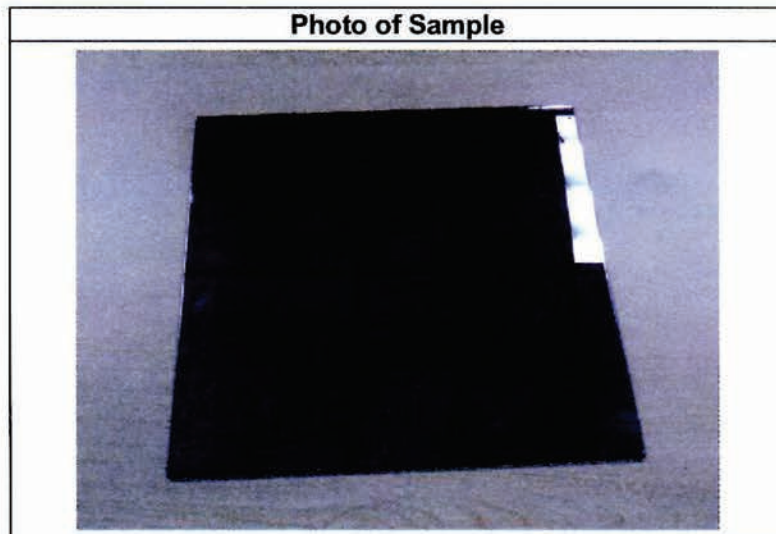
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No.	Test Item	Test Method	Test Result	Evaluation
1	Thickness tolerances	EN 1036-1:2007	-0.14~+0.01 mm	P
2	Light reflectance ¹⁾	EN 1036-1:2007	93%	P
3	Copper accelerated acetic acid salt spray test (CASS, 120 hours)	EN ISO 9227:2006	Edge corrosion: No corrosion Number of spots: 0	P
4	neutral salt spray test (NSS , 480hours)	EN ISO 9227:2006	Edge corrosion: No corrosion Number of spots: 0	P
5	Condensation water test (480 hours)	EN 1036-1:2007	Edge corrosion: ≤ 0.2 mm Number of spots: 0	P
6	Protective coating adhesion test ²⁾	ISO 2409:2007	Class 1	P
7	Reaction to fire	Without testing (refer to Decision 96/603/EEC)	Class A1	N.A.

Remark:

- 1) The result is for mirror with 6 mm thickness according to the requirement of EN 1036-2:2008
- 2) Class 1 means the detachment of small flakes of the coating at the intersections of the cuts and cross-cut area not greater than 5 % is affected.

Photo of Sample


----- End of Report -----

