



**Underwriters
Laboratories Inc.**

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August 11, 2004

Roser Co., LTD
Mr. J. T. Brown
27711 Agate Canyon Drive
Laguna Niguel, CA 92677

Our Reference: SV2202 / 04CA21758

Dear Mr. Brown:

This is a Report summarizing the results of tests conducted under Assignment No. 04CA21758.

Underwriters Laboratories Inc. neither selected the samples nor determined whether the samples were representative of production samples. The test results apply only to the actual samples tested.

PENETRATION TEST:

METHOD

Testing was conducted on five samples of the subject shingles, in accordance with ICBO Evaluation Services, Inc. AC07 paragraph 4.5. A 200 lb load was applied five times with a 3 in. diameter steel plate.

RESULTS
Stone Coated Steel Panel

Specimen	Reading	Initial Reading	Penetration, in.	Results
1	1-5	.066	.197	Pass
2	1-5	.133	.279	Pass
3	1-5	.071	.229	Pass
4	1-5	.047	.155	Pass
5	1-5	.042	.107	Pass

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Specimen	Reading	Solid Copper Panel		Results
		Initial Reading	Penetration, in.	
1	1-5	.114	.227	Pass
2	1-5	.153	.284	Pass
3	1-5	.023	.118	Pass
4	1-5	.084	.158	Pass
5	1-5	.204	.325	Pass

There was no tearing, cracking of the surfacing, which would cause unsatisfactory performance of the roof covering.


Since the anticipated work has been completed, we have instructed our Accounting Department to terminate the investigation and invoice you for the charges incurred to date.

Should you have any questions, please contact the undersigned.

Very truly yours,


Robert S Kiefer (Ext. 42014)
Sr. Engineering Assoc
Fire Protection Division

Reviewed By:


Alpesh Patel (Ext. 42522)
Project Engineer
Fire Protection Division