

# **LAFARGE**

**NORTH AMERICA**

## **Construction Materials**

February 14, 2005

### **Test Report: Evaluation of Liquid Rubber High Build for Joint Movement.**

#### Test Protocol

Liquid Rubber High Build was tested according to the requirements of Australian/New Zealand Standard AS/NZS 4858:2004, Appendix B. Since the elongation of Liquid Rubber High Build is >200% the testing protocol used was that appropriate for Class III membranes.

#### Sample preparation and equipment

The sample was prepared by casting on a release substrate at the Lafarge Asphalt Engineering Research Facility, Mississauga, Ontario

The sample was allowed to air cure for 28 days at  $20\pm 2^{\circ}\text{C}$ , after which it was removed from the substrate, and cut to size. Three samples were cut to the following dimensions.

Sample dimensions: 65mm x 25 mm x 1.4 mm thickness

Equipment: Model 810 Material Test System, i.d. # 00479.

#### Test results

The samples were placed in the MTS tester at relative humidity, between machined metal blocks of the dimensions given in Appendix B, such that the gauge length of the sample under test was 2mm. The extension movement in the cycling as required for Class III membranes was 4 mm extension. Continuous cycling was carried out 50 times  $20\pm 2^{\circ}\text{C}$  and  $65\pm 15\%$  at a constant rate of strain for both elongation and return.

#### Observations

No tearing or visible damage to the samples was detectable after testing. According to the conditions observed High Build passed this test.

Yours sincerely,



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Disclaimer: These results are presented in good faith and are accurate to the best of our knowledge. However Lafarge Asphalt Engineering accepts no responsibility or liability for the information here provided.

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