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APPROVAL REPORT

ENHANCED WIND AND HAIL RATINGS WITH RT 2035-3.0 POLYURETHANE FOAM USED IN CLASS 1 ROOF DECK CONSTRUCTION

Prepared for:
Resin Technology Company
A Division of the Henry Company
2270 Castle Harbor Place
Ontario, CA 91761

Project ID: 3032539

Class: 4470/4880

Date of Approval:

FEBRUARY 21, 2008

Authorized by:

Roger L. Allard

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Assistant Vice President

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I INTRODUCTION

- 1.1 Resin Technology Company submitted their RT 2035-3.0 polyurethane foam to determine if it meets the Approval requirements of the **Standards** listed below for use in selected Class 1 roof deck constructions.
- 1.2 This Report may be reproduced only in its entirety and without modification.
- 1.3 **Standards:**

Title	Class Number	Date
Class 1 Roof Covers	4470	April, 1986
Class 1 Fire Rating of Insulated Wall or Wall and Roof/Ceiling Panels, Interior Finish Materials or Coatings, and Exterior Wall Systems	4880	October, 2005

- 1.4 All testing was conducted under FM Approvals Project IDs 3016938 and 3022955 sponsored by the Spray Polyurethane Foam Alliance and released for use in this program. Examination included ASTM E-108 Exterior Flame Spread Tests, Comparative Insulation Delamination Tests, Flammability Characterization Tests, UBC Standard 26-3 Full-Scale Room Test, Simulated Wind Uplift Pull Tests, and Simulated Hail Tests.
- 1.5 Tests show that RT 2035-3.0 polyurethane foam, as tested, meets the Approval requirements of the **Standards** listed above for use in Class 1 roof deck construction.
- 1.6 **Listings:** The tested constructions meet the Approval criteria of FM Approvals when installed in the **CONCLUSIONS** of this report and will be listed in RoofNav.

II DESCRIPTION

RT 2035-3.0 polyurethane foam is a spray insulation for use in Approved roof constructions. The foam has an apparent overall density of 3.0 lb/ft³ (48 kg/m³) and requires an Approved liquid applied roof cover to be applied to the top surface. It consists of an A component (isocyanate) and a B component (polyol) that are shipped to the job site in separate containers and mixed on site using special spray equipment for application to the roof.

