SOUTHWEST RESEARCH INSTITUTE®

6220 CULEBRA ROAD 78238-5166 • P.O. DRAWER 28510 78228-0510 • SAN ANTONIO, TEXAS, USA • (210) 684-5111 • WWW.SWRI.ORG

CHEMISTRY AND CHEMICAL ENGINEERING DIVISION
FIRE TECHNOLOGY DEPARTMENT
WWW.FIRE.SWRI.ORG
FAX (210) 522-3377

FIRE PERFORMANCE EVALUATION OF KREYSLER & ASSOCIATE'S *KREYSLER FIRESHIELD 285 PANELS* TESTED IN ACCORDANCE WITH NFPA 285, 2012 EDITION, *STANDARD FIRE TEST METHOD FOR EVALUATION OF FIRE PROPAGATION CHARACTERISTICS OF EXTERIOR NONLOAD-BEARING WALL ASSEMBLIES CONTAINING COMBUSTIBLE COMPONENTS*

FINAL REPORT
Consisting of 37 Pages

SwRI® Project No.: 01.17787.01.618a
Test Date: June 27, 2013
Report Date: September 5, 2013

Prepared for:

Kreysler & Associates
501 Green Island Road
American Canyon, CA 94503

Prepared by:

David Hintz
Research Engineer
Fire Resistance Section

9/5/2013
Approved by:

Barry L. Badders Jr., P.E.
No. 61907, Florida
Manager
Fire Resistance Section

ABSTRACT

Southwest Research Institute's Fire Technology Department, located in San Antonio, TX, conducted an Intermediate-Scale Multistory Test Apparatus fire performance evaluation test for Kreysler & Associates, located in American Canyon, CA. Testing was conducted on June 27, 2013, on a wall assembly consisting of prefabricated units, which consisted of aluminum framing, mineral wool insulation, and composite FRP panels. The composite FRP panels were identified by Kreysler & Associates as *Kreysler Fireshield 285 Panels*. Mr. Barry Badders (Professional Engineer, License No. 61907, registered in the State of Florida) was present to witness testing. The Test Notification Number for Miami-Dade County Florida for this test program is SwRI 13013.

Testing was performed in accordance with the National Fire Protection Association 285, *Standard Fire Test Method for Evaluation of Fire propagation Characteristics of Exterior Nonload-Bearing Wall Assemblies Containing Combustible Components,* 2012 Edition. The wall assembly **met** the acceptance criteria stated in the standard.

This report contains a description of the test procedure followed, assembly tested, and the results obtained. The results apply specifically to the specimens tested, in the manner tested, and not to similar materials, nor to the performance when used in combination with other materials.