



January 5, 2005

DL-14339
Via Fax 780-929-0238

OBJECTIVE

To determine solids by weight and the adhesion of an elastomeric coating when applied to a concrete surface.

PRODUCT TESTED

The elastomeric coating was submitted by Red Diamond Coatings, Inc. and identified as Exterior Wall Ceramic Insulcoat, (Exterior Wall Titanium Enriched 100% Acrylic Water-Based Ceramic Insulcoat), Lot: 2780-702P

PROCEDURES

The weight solids was determined in accordance with procedures outlined in ASTM D 2369, "Standard Test Method for Volatile Content of Coatings".

The adhesion of the coatings to the concrete substrate was determined in accordance with procedures outlined in ASTM D 4541, "Standard Test Method for Pull-Off Strength of Coatings Using Portable Adhesion Testers", "Type II Fixed-Alignment Adhesion Testers".

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PROCEDURES (cont.)

The coating was applied to the concrete substrate in two coats with an overnight dry between coats. Each coat was applied at 8-mils wet film thickness (200 ft²/gal). The coated concrete surface was then allowed to dry 30-days at standard conditions before testing was initiated.

TEST RESULTS

The Exterior White Wall Ceramic Insulcoat product exhibited the following properties:

Solids by Weight, percent of paint	58.7%
Pull-Off Adhesive Strength of Coating, psi	565 psi
<u>Mode of failure</u>	
Adhesive failure of coating to substrate	65%
Cohesive failure of coating	5%
Cohesive failure of substrate	30%

DL Labs, Inc.

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cc: T. J. Sliva