



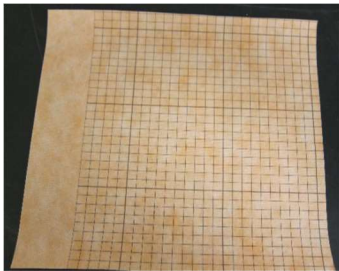
October 21, 2025

Schluter Systems
Attn: Kali Pharand
194 Pleasant Ridge Road
Plattsburgh, NY 12901

Dear Kali Pharand,

The sample you identified as “KERDI” was tested per CA 01350 VOC Emissions per your request (IPAL Test Report: IPAL-0623-25). The testing was performed by Research Triangle Park (RTP) Laboratories in Raleigh, NC. All comments, findings, and interpretations within this report were made by RTP Laboratories.

The following is an image of the sample submitted for testing.



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10/21/2025

Damon McDowell
Laboratory Supervisor

Research Triangle Park Laboratories, Inc.

7201 ACC Blvd., Suite 104
Raleigh, NC 27617

919 510-0228 Telephone
919 510-0141 Fax

Web Site: www.rtp-labs.com



ISO 17025 Compliant
PA Registration #68-1664
DEA Registered

October 16, 2025

International Product Assurance Laboratories
100 Clemson Research Boulevard
Anderson, SC 29625

Attn: Ashley Moore

PROJECT: VOCs Testing –Report of VOC Chamber Tests.

Purchase Order: 4721

RTP Labs ID: 25-071-02 Schluter Systems “KERDI” Membrane (IPAL-0623-25)

Enclosed with this letter is the report for the sample received on September 29, 2025, in good condition. The manufacturing date is listed on the COC form. The sample was tested for VOCs emissions according to ASTM D5116 Small Chamber Test and California Specification 01350 Test Methods. The sample was prepared according to the sample preparation descriptions as described in CA 01350. The chamber testing was started on October 2, 2025 with a 10-day conditioning period, followed by a 96-hour test as described in CA 01350.

The test results are summarized in the attached document. The testing method reporting limits are 0.001 mg/m³ using the California Standard Classroom and Office Models.

If you have any questions, please give me a call at (919) 510-0228.

Sincerely,

Alston Sykes, Principal Chemist
Attachments: attachments and photos

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International Product Assurance
LABORATORIES

Chain of Custody Form

For Testing of Product/Material per CA DHS Section 01350

Please fill out a separate chain of custody form for each product tested

General Information (Section A)	
Section A	Manufacturer Name: Schluter Systems
	Street Address: 194 Pleasant Ridge Road
	City/State: Plattsburgh, NY
	Zip/Postal Code: 12901
	Country: United States
	Contact Name: Kali Phorand
	Contact Title: Product Standards and Sustainability Coordinator
Phone/Fax Numbers: 888-472-4688 x 4152	
Email Address: sustainability@schluter.com	
Sampling Information (Section B)	
Section B	Product Name: Schluter KERDI
	Manufacturer Product ID #: KERDI
	Sample ID # (Same as TCNA Test Report #): KERDI
	Product Category: Membranes
	Product Subcategory:
	Date Manufactured: AUA 125
	Plant Name and Location: PLATTSBURGH, NY
	Date and Time Sample Collected from Plant: 9/18/15
	Collection Location within Plant: SAMPLES/SLAB
	Number of Sample Pieces Collected (Attach Photos): 1
Sample Collected by: SHAMIM MONDAL	
Signature: Shamim Mondal	
Sample Packaged and Shipped to TCNA By: SHAMIM MONDAL	
Signature: Shamim Mondal	
Shipping Date: 9/19/15	
Carrier/Airbill Number:	
IPAL Receipt Information (Section C)	
Section C	Arrival to: IPA Laboratories
	100 Clemson Research Boulevard
	Anderson, SC 29625
	Receipt Date: 9.26.2015
	Received By: A. MOORE
	Signature: amore
	Logged into TCNA Database by: A. MOORE
TCNA Test Report #: 0603.25	
Shipment Forwarded To RTP Laboratories By: A. MOORE	
Signature: amore	
Shipment Date: 9.26.2015	
Carrier/Airbill Number: UPS -	
RTP Laboratories Receipt Information (Section D)	
Section D	Arrival to: Research Triangle Park Laboratories, Inc.
	7201 ACC Blvd., Suite 104
	Raleigh, NC 27617
	Receipt Date: 9/29/15
	Received By: Ashton Sikes
	Signature: Ashton Sikes
Condition of Shipping Package: Good	
Condition of Sample: Good	
Laboratory ID #: 25-071-02	

Research Triangle Park Laboratories, Inc.

7201 ACC Blvd., Suite 104
Raleigh, NC 27617

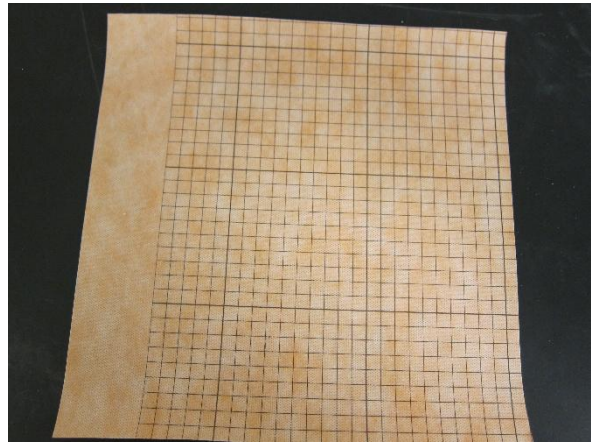
919 510-0228 Telephone
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Photo of Sample Received September 29, 2025:
25-071-02 (IPAL-0623-25) Schluter "Kerdi", Manf Aug '25.

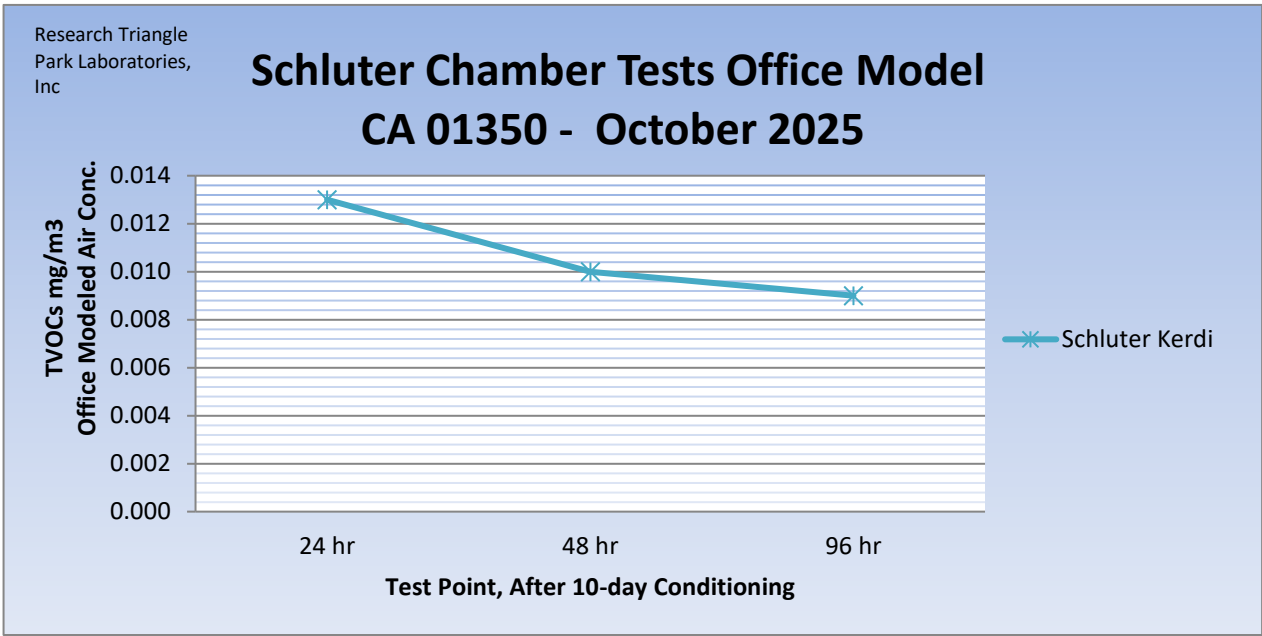


California 01350/ASTM D5116 Small Chamber Tests for Volatile Organic Compound Emissions From Products

Project ID: 25-071-02
Client: Tile Council
Sample Receipt Date: Sept 29, 2025
Test Start Dates: Oct 2, 2025
Products:

Schluter Kerdi

Modeled Standard Office Concentration, mg/m3			
24 hr	48 hr	96 hr	LOQ
0.013	0.010	0.009	0.001



Standard Office Model Parameters:

Room Dimensions: 12 ft length x 10 ft wide x 9.0 ft ht
Room Volume: 30.6 m³
Ventilation Rate: 0.68 air changes per hour
Net Floor Surface: 11.15 m²

Chamber and Sample Conditions:

Chamber Volume: 50 Liters
Temperature: 20-25 C; Relative Humidity: 45-55 %
Air Exchange Rate: 1 per hour (0.833L/min = 50 liters)
Sample Surface Area: 0.0232 m²
Sample Loading Factor: 0.5 m²/m³

Office Model Report

Sample Receipt Date: 9/29/2025
 Project ID: 25-071-02
 Sample ID: Schluter Kerti (IPA 0623-25)
 Client: IPA Laboratories

Test Start Date: 10/2/2025

10 day conditioning performed prior to 96 h testing.

Standard Office Parameters

Room Dimensions, ft 12x10x9.0

Room Volume, m3 30.6

Ventilation Rate, ach 0.68

Net Surface Area, m2 11.15

ASTM D5116 Small Chamber Method

California Specification 01350

Office Paints and Wallcoverings Model: 33.4 m2

Office Flooring Products Model: 11.15 m2

Compound Name	Emission Factors (ug/(m2*h))						Cm	Cm	Cm	1/2 CREL 12/2008 (A)Acute (C)Chronic
	10/13/25 24 hr Chamber Conc. ug/m3	24 hr EF	10/14/25 48 hr Chamber Conc. ug/m3	48 hr EF	10/16/25 96 hr Chamber Conc. ug/m3	96 hr EF	Office: 24 hr Modeled Air Conc. ug/m3	Office: 48 hr Modeled Air Conc. ug/m3	Office: 96 hr Modeled Air Conc. ug/m3	
<u>GC/MS Target, LOQ 2 ng/L (ug/m3)</u>										
Ethyl acetate	24.1	19.7	21.9	17.9	18	14.7	10.5	9.6	7.9	
	0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	
	0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	
<u>GC/MS TICs, LOQ 5 ng/L (ug/m3)</u>										
None Detected	0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	
	0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	
	0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	
	0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	
	0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	
	0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	
<u>HPLC Aldehydes, LOQ 2 ng/L (ug/m3)</u>										
Formaldehyde	2.5	2.0	0.6	0.5	2.1	1.7	1.1	0.3	0.9	4.5 C
Acetaldehyde	2.8	2.3	0.8	0.7	1.6	1.3	1.2	0.3	0.7	70 C
TVOCs LOQ 25 ng/L (ug/m3) Use 1 for < value	29.4	24.0	23.3	19.0	21.7	17.7	12.9	10.2	9.5	ug/m3
							0.013	0.010	0.009	mg/m3

Reporting Limit, 0.001 mg/m3

Research Triangle Park Laboratories Inc, 7201 ACC Blvd., Raleigh, NC 27617

California 01350/ASTM D5116 Small Chamber Tests for Volatile Organic Compound Emissions From Products

Project ID: 25-071-02

Client: Tile Council

Sample Receipt Date: Sept 29, 2025

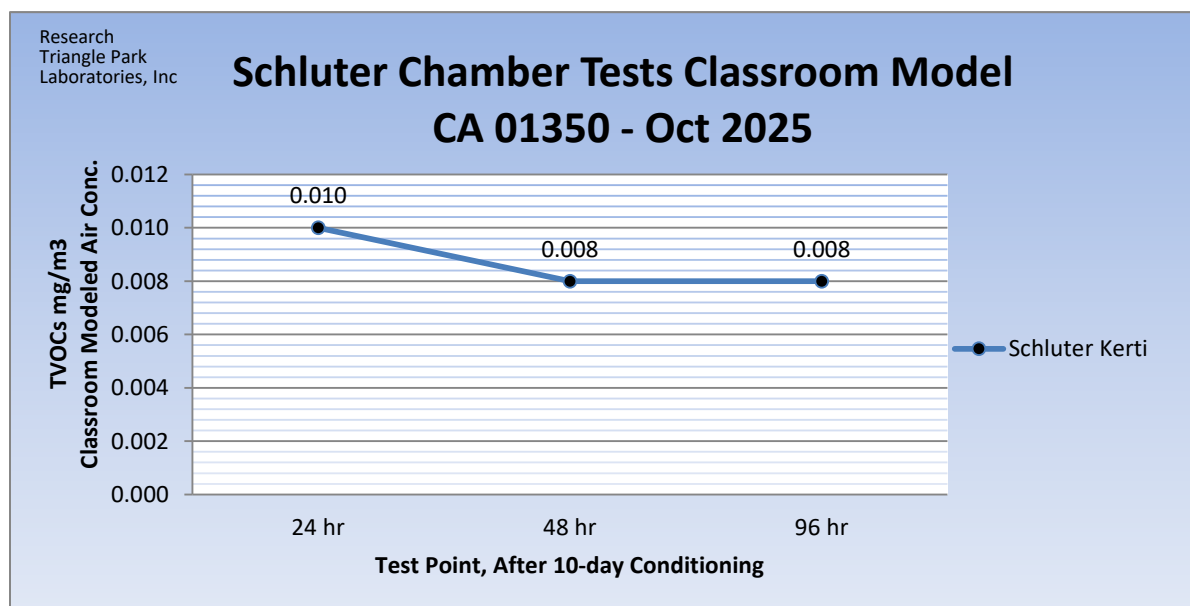
Test Start Dates: Oct 2, 2025

Products:

Schluter Kerti

Modeled Standard Classroom Concentration, mg/m³

24 hr	48 hr	96 hr	LOQ
0.010	0.008	0.008	0.001



Standard Classroom Model Parameters:

Room Dimensions: 40 ft length x 24 ft wide x 8.5 ft ht

Room Volume: 231 m³

Ventilation Rate: 0.90 air changes per hour

Net Floor Surface: 89.2 m²

Chamber and Sample Conditions:

Chamber Volume: 50 Liters

Temperature: 20-25 C; Relative Humidity: 45-55 %

Air Exchange Rate: 1 per hour (0.833L/min = 50 liters)

Sample Surface Area: 0.0232 m²

Sample Loading Factor: 0.5 m²/m³

Classroom Model Report

Sample Receipt Date: 9/29/2025
Project ID: 25-071-02
Sample ID: Schluter Kerti (IPA 0623-25)
Client: IPA Laboratories

Test Start Date: 10/2/2025

10 day conditioning performed prior to 96 h testing.

Standard Classroom Parameters

Room Dimensions, ft 40x24x8.5
 Room Volume, m3 **231**
 Ventilation Rate, ach **0.9**
 Net Surface Area, m2 **89.2**

ASTM D5116 Small Chamber Method

California Specification 01350
 Paints and Wallcoverings Model: 94.6 m2
 Flooring Products Model: 89.2 m2

Compound Name	Emission Factors (ug/(m2*h))						Cm	Cm	Cm	1/2 CREL 12/2008 (A)Acute (C)Chronic
	10/13/25 24 hr Chamber Conc. ug/m3	24 hr EF	10/14/25 48 hr Chamber Conc. ug/m3	48 hr EF	10/16/25 96 hr Chamber Conc. ug/m3	96 hr EF	Classroom: 24 hr Modeled Air Conc. ug/m3	Classroom: 48 hr Modeled Air Conc. ug/m3	Classroom: 96 hr Modeled Air Conc. ug/m3	
<u>GC/MS Target, LOQ 2 ng/L (ug/m3)</u>										
Ethyl acetate	24.1	19.7	21.9	17.9	18	14.7	8.4	7.7	6.3	
	0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	
	0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	
<u>GC/MS TICs, LOQ 5 ng/L (ug/m3)</u>										4.5 C 70 C
None Dectected	0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	
	0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	
	0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	
	0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	
	0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	
	0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	
<u>HPLC Aldehydes, LOQ 2 ng/L (ug/m3)</u>										
Formaldehyde	2.5	2.0	0.6	0.5	2.1	1.7	0.9	0.2	0.7	
Acetaldehyde	2.8	2.3	0.8	0.7	1.6	1.3	1.0	0.3	0.6	
<u>TVOCs LOQ 25 ng/L (ug/m3) Use 1 for < value</u>	29.4	24.0	23.3	19.0	21.7	17.7	10.3	8.2	7.6	ug/m3
							0.010	0.008	0.008	mg/m3

Reporting Limit, 0.001 mg/m3