

Optima System: **Kinetic**

Description: Frameless glazed partition system incorporating integral sliding door and comprising multiple modules of laminated or toughened glass installed into extruded aluminium track sections with glass sealed into tracks with PVC gaskets and between panels with Optima Nebula™, Aluminium or PETG dry-joints. System incorporates integral deflection head capable of enabling relocation.

Sustainability Scheme: **WELL Building Standard v2 Pilot**

### Light

Feature: **L01 Light Exposure and Education**

Part 1 Ensure Indoor Light Exposure Daylight in regularly occupied spaces / Daylight in common spaces  
b. & c. Use of fully glazed office and meeting room fronts using Kinetic allows for daylight penetration to internal areas beyond perimeter cellular offices assisting with Spatial Daylight Autonomy. It also allows for increased view of sky from desk height.

**Kinetic visible light transmittance (VLT) = 89%**

Feature: **L05 Enhanced Daylight Access**

Part 1 Implement Enhanced Daylight Plan Use of fully glazed office and meeting room fronts using Kinetic allows for daylight penetration to internal areas beyond perimeter cellular offices assisting with internal average daylight factors and average daylight illuminance levels. It also allows for increased view of sky from desk height.

**Kinetic visible light transmittance (VLT) = 89%**

### Sound

Feature: **S03 Sound Barriers**

Part 1 Ensure Adequate For Office Spaces

Wall Construction Kinetic partitions, when appropriately configured, can help to meet the Speech Privacy Potential (SPP) and Sound Transmission Class (STC) relevant to the building type and function.

All Optima systems are subjected to sound insulation tests in accordance with BS EN ISO 10140-1:2010 and BS EN ISO 10140-2:2010 at UKAS accredited laboratories. These are optimised tests of the system only and not aggregate values for screen and door. The result is expressed as an Rw value.

The Kinetic partition system has achieved the following UKAS accredited acoustic values for the stated construct:

24dB (Rw)	Test Ref: 542-431 with 745-755	10mm Kinetic Seal door in 12.8mm Acoustic Laminate Glass screen
33dB (Rw)	Test Ref: 542-431 with 33-195	10mm Kinetic Aero door in 12.8mm Acoustic Laminate Glass screen
36dB (Rw)	Test Ref: 542-431 with 542-453	12mm Kinetic Align door in 12.8mm Acoustic Laminate Glass screen

It should be noted that in an on-site acoustic test, a partition may demonstrate a 3dB to 8dB lesser performance than under laboratory conditions, depending on the partition type. This can be further affected by ambient noise levels on the receiving side of the test sample and by poorly insulated abutments offering a 'flanking' path for audible sound.  
[Reference: Optima Kinetic Series Designer's guide (Nov 2018)]

Part 2 Ensure Proper Door Specifications The Kinetic system is compatible with Seal, Aero and Align doors.

a. STC performance of Optima doors have not been assessed. Acoustic performance is measured in Rw:  
Rw24dB – Kinetic Seal, 10mm door in 12.8mm acoustic laminated screen

Rw33dB – Kinetic Aero, 10mm door in 12.8mm acoustic laminated screen  
 Rw36dB – Kinetic Align, 12mm door in 12.8mm acoustic laminated screen

- b. Gaskets are not provided at the head and door jambs
- c. Optima Kinetic glazed doors do not feature drop seals or sweeps at base
- d. All single glazed doors have a non-hollow (solid) core.

## Materials

Feature: **X10 Volatile Compound Reduction**

Part 1 Manage Volatile Organic Compounds

### a. Halogenated flame retardants

There are no components of types 1, 2, 3, 4 within the Kinetic partition system.  
 5. Acoustic insulation (glass mineral wool) can be used to ensure acoustic integrity between partitioned spaces as part of the installation which **contains no Halogenated flame retardants**.

### b. Urea-formaldehyde

1. Composite wood products are not used in the Kinetic partition system.  
 Plywood can be used within the optional bespoke 'Tech Panels' where specified. Presence of urea-formaldehyde is unconfirmed.

b. Laminating adhesives (PVB interlayers) are used to form each sheet of laminated glass used in the partitions and **do not contain urea-formaldehyde**.

c. Thermal insulation is not used in the Kinetic partitioning system product.  
 Acoustic insulation can however be used to ensure acoustic integrity between partitioned spaces as part of the installation procedure. The use of glass mineral wool **contains no urea-formaldehyde**.

Part 2 Manage Semi-Volatile Organic Compounds (SVOCs)

The referenced newly installed components are not relevant to the Kinetic partition system.

Feature: **X11 Long-term Emission Control**

Part 1 Manage Furniture and Furnishings Emissions

Not relevant to the Kinetic partition system as considered a permanent fixture rather than furnishings and does not fall under the scope of Feature X11, Part 1.

Part 2 Manage Flooring and Insulation Emissions

Glass mineral wool insulation can be used in optional 'Tech Panels' to provide acoustic performance and is an inherently non-emitting source of VOCs.

Products used: **Isover Acoustic Partition Roll (APR1200)**

### a. Meets eurofins Indoor Air Comfort Gold (v5.3a 2015)

[Reference: eurofins IACG-400-UK-2015 certificate (April 2015)]

*Indoor Air Comfort Gold has been accepted as an alternative for the Feature requirements.*

[Reference: WELL Equivalencies #04-0011]

Feature: **X12 Short-Term Emission Control**

The Kinetic partition system can optionally be powder-coated or anodized during **off-site manufacture** and employs dry joints between horizontal glass sections not requiring the use of VOC emitting silicones or sealants.

To maintain acoustic integrity the Kinetic partition system installation ensures all abutment tracks are properly sealed to the structure with proprietary acoustic sealant.

Part 1 Manage Product Emissions: Adhesives, Sealants, Paints and Coatings

Products used: **Dow DOWSIL™ 791 Weatherproofing Sealant**

### a. Meets CDPH Standard Method v1.2 (January 2017)

[Reference: Dow Indoor Air Quality Evaluation CDPH (February 2019)]

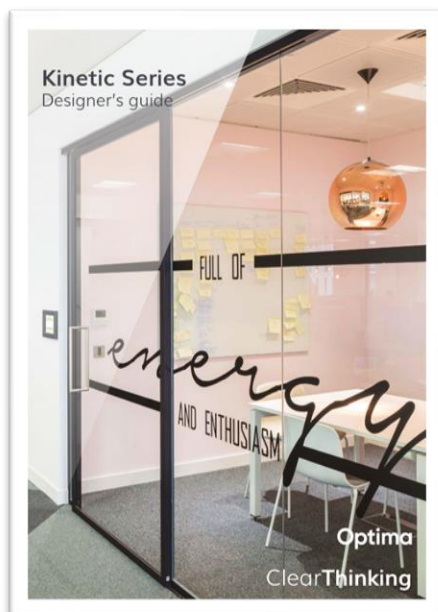
DATE: 13/09/2021

Part 2 Manage Product Products used: Dow DOWSIL™ 791 Weatherproofing Sealant  
 Content: Adhesives, b. Meets SCAQMD Rule #1168  
 Sealants, Paints and [Reference: Dow Corning Environmental Product Information]  
 Coatings

## Reference Documents:

S03 Sound Barriers:

**Kinetic Series Designer's Guide**  
 (November 2018)



## Reference Documents:

X11 Long-term Emission  
 Control:

**Isover APR1200 Eurofins  
 Indoor Air Comfort Gold  
 certificate (April 2015)**



DATE: 13/09/2021

Reference Documents:

X12 Short-Term Emission Control:

Part 1. Dow Corning Environmental Product Information

Part 2. Dow Indoor Air Quality Evaluation – CDPH (February 2019)

Released by: US Environmental  
Date Issued: March 20, 2019  
Product ID #: 100004102-210219  
Test Report #: 100004102-210219  
CDPH 116-1-001

**INDOOR AIR QUALITY EVALUATION FOLLOWING THE REQUIREMENTS OF COPPERHILL STANDARD METHOD**

**Product Description:** DOWSIL™ 791 Silicone Weatherproofing Sealant

**Customer Information:** DOW SILICONES CORP  
KELLY ALLOE  
2200 W SALZBURG RD  
MIDLAND, MI 48666  
USA

**Testing Laboratory:** 2211 Newmarket Parkway, Suite 106, Marietta, GA 30067-6399 USA

**Product Category:** Adhesive/Sealant

**Product Sub-Category:** Bead Adhesive

**Date Received:** February 20, 2019

**Test Description:** The product was received by US Environmental as packaged and shipped by the customer. The package was visually inspected and stored in a controlled environment immediately following sample check-in. Just prior to testing, a 30" wide bead 11.3" long was applied to a foil-wrapped plate. The sample was immediately placed inside the environmental chamber, and tested according to the specified protocol.

**Test Date:** 2/28/2019 - 3/14/2019

**Product Area Exposed:** length = 0.292 m

**Chamber Volume:** 0.0070 m<sup>3</sup>

**Product Loading Rate:** 3.30 min/m<sup>3</sup>

**Test Chamber Conditions:** Air change rate: 1.00 ± 0.05 1/h; Temperature: 22.3°C ± 2.3°C  
Inlet air flow rate: 0.007 ± 0.004 m<sup>3</sup>/h; Relative Humidity: 50% RH ± 5%

**Test Method:** CDPH - CA Section 01360 (Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources using Environmental Chambers) 1.2

**Released by:** Alyson M. Murphy  
Chemistry Laboratory Director

This report shall not be reproduced, stored in full, without permission from US Environmental. Results contained within this report only apply to the actual product tested under the testing conditions documented in this report.

**PHOTOGRAPH OF SAMPLE**

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**DOW CORNING** ENVIRONMENTAL PRODUCT INFORMATION  
FOR LEED® GREEN BUILDING CERTIFICATION PROGRAM

**LEED PRODUCT INFORMATION**  
Thank you for your LEED inquiry. Following is the product information requested.

**Material and Resources Credit 1:** This credit relates to 10-20% of the total material cost of products selected, harvested, or recovered, as well as manufactured within 500 miles of the building site location. Because of Dow Corning's supply chain and distances between suppliers and manufacturing sites, Dow Corning products cannot contribute to this credit.

**Material and Resources Credit 4:** The percentage of postconsumer and preconsumer recycled content of Dow Corning sealants, primers, and caulks is zero.

**Product Use Information**  
This document outlines the quantification data of the products listed below, as a contribution toward satisfying R1 Credit 1 under LEED. Products are not reviewed or certified under LEED. LEED credit requirements cover the performance of materials in aggregate, not the performance of individual products or brands. For more information on LEED, visit [www.usgbc.org/leed](http://www.usgbc.org/leed).

Product Type	Product Manufacturer	Product Name / Model	Product VOC Content	Allowable VOC Content	
1	Architectural Sealant	Dow Corning	791 Silicone Weatherproofing Sealant	30	250
2					
3					
4					

**FOR ALL RATING SYSTEMS ASSOCIATED WITH:**

- ☒ LEED Building Design and Construction
- ☒ LEED Interior Design and Construction
- ☒ LEED Operations and Maintenance
- ☒ LEED for Homes
- ☒ LEED for Neighborhood Development

**VOC METHODS**

- ☒ South Coast SCQAD Rule #1106 (Sealants)
- ☒ South Coast SCQAD Rule #1113 (Coatings)
- ☒ Key Area Air Quality Regulation # Rule 31
- ☒ California Specification 01360

**LIMITED WARRANTY INFORMATION**  
The information contained herein is offered in good faith and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information should not be used as a substitute for customer's tests to ensure that our products are fully effective, and fully suitable for the intended end use. Suggestions of use shall not be taken as instructions to change or alter.

Dow Corning's sole warranty is that our products will meet the sales specifications in effect at the time of shipment. This warranty is limited to the product as shipped and is not intended to be a warranty of performance or replacement of any product except to be other than as warranted.

**DECLARATION FORMS**  
The declaration holder is liable for the information and evidence on which this declaration is based.

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Product Specialist: \_\_\_\_\_ Corporate: \_\_\_\_\_  
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2200 W Salzburg Rd., Midland, MI 48666

DOW CORNING SPECIFICALLY DISCLAIMS ANY OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY.

DOW CORNING DISCLAIMS LIABILITY FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES.

We help you meet the Vision™  
Sustaining™ you.