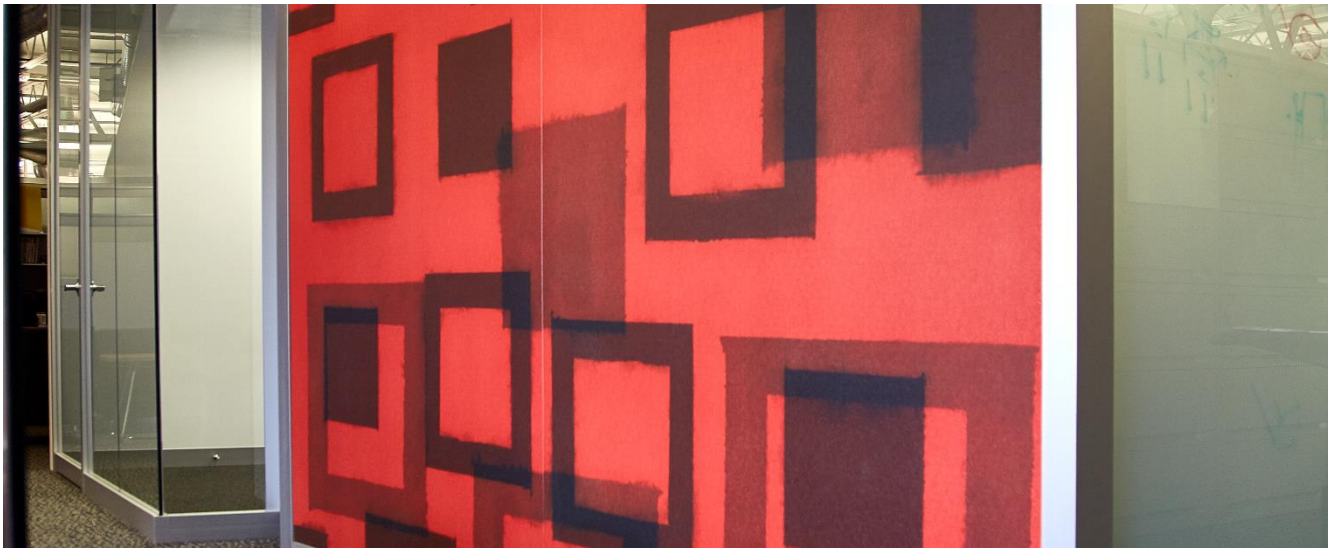
Environmental Product Declaration for:

KI Evoke Architectural Wall



This Environmental Product Declaration, covering all life cycle stages, was prepared in conformity with ISO 14025, ISO 14044, and ISO 21930, and in accordance with the Earthsure Product Category Rule 30162403:2014 for Interior Wall Systems. PCR Review Chair Thomas Gloria, LCACP# 2008-3. EPDs prepared under other programs may not be comparable.

SCS-EPD-05084 | Dates of Validity: August 14, 2018 to August 13, 2023

Furnishing Knowledge®

Product: Evoke is a breakthrough alternative to drywall - featuring virtually seamless reveal lines. Evoke is as flexible as a traditional movable wall, yet is screen printable, wrappable, and even paintable in the field. Evoke installs faster and easier than drywall and can be quickly reconfigured with far less waste at a minimal cost. Evoke's performance is inimitable, with a Sound Transmission Class (STC) performance rating up to 50, minimizing distractions and maximizing productivity.

Producer: Since 1941, we've positioned KI as the furniture company that best understands the contract furniture industry and is committed to providing customers with the smart solutions. Our contract furniture innovations reflect a desire to be our customers' market resource and to help them make smart contract furniture decisions. KI manufactures innovative furniture and movable wall system solutions for educational, university, business and government markets. KI continues to differentiate itself and establish enduring relationships throughout the world by personalizing products and service solutions to the specific needs of each customer through its unique design and "Market of One" manufacturing philosophy.

Independent Verification

Independent verification of the declaration and data, according to ISO 14025: ☐ internal ☒ external

Thomas Gloria, t.gloria@industrial-ecology.com, LCACP#: 2008-3

Summary of Life Cycle Impacts and Inventory per m^2-30 yr-meeting IBC requirements for interior walls		
Climate Change	**370**	kg CO_2-eq
Acidification	**1.6**	kg SO_2-eq
Eutrophication	**1.1**	kg N-eq
Ozone Depletion	**$2.5x10^{-5}$**	kg CFC-11-eq
Photochemical Smog	**17**	kg O_3-eq
Ecotoxicity	**3,400**	CTUe
Human Health – Air	**0.26**	kg PM2.5-eq
Primary Energy Consumption	**3,200**	MJ non-renewable
	330	MJ renewable
Freshwater Consumption	**18,000**	L
Waste Production	**$4.0x10^{-2}$**	kg hazardous
	100	kg non-hazardous
Material Resource Consumption	**INA**	kg non-renewable
	5.2	kg renewable
Land Use	**25**	m^2-yr

INA = Indicator not assessed

LIFE CYCLE IMPACT ASSESSMENT RESULTS

For one square meter of interior wall conforming to the International Building Code for thirty years, using TRACI v2.1 Life Cycle Indicators (CML-IA v4.4 in parentheses):

Life Cycle Impact	Total	Stage I Production	Stage II Installation	Stage III Use	Stage IV End of Life	Units
 **Climate Change**	370	330	15	0.0	24	kg CO_2 eq
	(360)	(330)	(7.4)	(0.0)	(24)	kg CO_2 eq
 **Acidification**	1.6	1.5	$3.4x10^{-2}$	0.0	$3.3x10^{-2}$	kg SO_2 eq
	(1.5)	(1.5)	($2.9x10^{-2}$)	(0.0)	($8.4x10^{-3}$)	kg SO_2 eq
 **Eutrophication**	1.1	0.90	$6.3x10^{-2}$	0.0	0.16	kg N eq
	(0.56)	(0.46)	($3.0x10^{-2}$)	(0.0)	($7.1x10^{-2}$)	kg PO_4^{3-} eq
 **Ozone Depletion**	$2.2x10^{-5}$	$2.0x10^{-5}$	$1.4x10^{-6}$	0.0	$3.2x10^{-7}$	kg CFC-11 eq
	(1.3)	(1.2)	($8.2x10^{-2}$)	(0.0)	($1.9x10^{-2}$)	kg CFC-11 eq
 **Photochemical Smog**	17	16	0.70	0.0	0.21	kg O_3 eq
	(0.10)	($9.9x10^{-2}$)	($2.4x10^{-3}$)	(0.0)	($3.3x10^{-3}$)	kg C_2H_4 eq
 **Ecotoxicity**	3,400	1,800	400	0.0	1,200	CTUe
	($3.4x10^6$)	($1.6x10^6$)	($4.7x10^5$)	(0.0)	($1.4x10^6$)	kg 1,4-DB eq
 **Human Health-Air**	0.31	0.30	$3.9x10^{-3}$	0.0	$1.3x10^{-3}$	kg PM2.5 eq

LIFE CYCLE INVENTORY INFORMATION

For one square meter of interior wall conforming to the International Building Code for thirty years.

Inventory Item	Amount	Units
Primary Energy Consumption	3,200	MJ non- renewable
	330	MJ renewable
Freshwater Consumption	18,000	L
Waste Production	$4.0x10^{-2}$	kg hazardous
	100	kg non-hazardous
Material Resource Consumption	INA	kg non-renewable
	5.2	kg renewable
Land use	25	m^2-yr

INA = Indicator not assessed

HAZARDOUS MATERIAL CONTENT

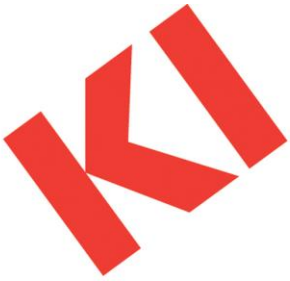
For one square meter of interior wall conforming to the International Building Code for thirty years (at least 0.1% using California DTSC Candidate Chemical List).

Material	CAS number	Amount (%)
Aluminum	7429-90-5	37.5%
Zinc	7440-66-6	0.720%
Silica dust, crystalline	14808-60-7	21.8%
Titanium dioxide, airborne, unbound particles of respirable size	13463-67-7	0.244%

ADDITIONAL ENVIRONMENTAL INFORMATION

For one square meter of interior wall conforming to the International Building Code for thirty years.

VOC emissions per BIFMA X7.1	passed
Recycled Content	47% (pre-consumer)
	24% (post-consumer)
Organization's use of environmental management system	ISO 9001
Other environmental certification programs	Indoor Advantage™ Gold



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