



Product Lens

a materials health assessment

COMPANY AND PRODUCT INFO

Issued to	KMEW CERACLAD
For the Products	CERACLAD
Description	The CERACLAD System provides a long lasting, energy and resource efficient cladding solution. Consisting of approximately 45% recycled content, the cladding panels are 100% recyclable at end of life, provide a factory finish with no VOC and are available in a multitude of texture and color choices.
Certification Period	October 1, 2020-October 1, 2023
Assessor	MBDC basis methodology v3.1*



Qualifications

- LEED BPDO Credit: Material Ingredients Option 1 Qualifies for as 1 product
- LEED BPDO Credit: Material Ingredients Option 2 Qualifies for 100% of cost

Other Achievements



MATERIALS / INGREDIENTS INFORMATION

Disclosure Level: 100 ppm 1000 ppm

The following table represents the top 99% of the material ingredient disclosure and ratings. For the full ingredient disclosure information, please see the table on the reverse side.

Materials	Result			
	Supply Chain/ MFG	Install	Use	End of Use
Cement	D			
Fly Ash				
Silica	I	I		I
Inorganic-Based Admixture	I	I		I
Pulp				
Synthetic Fiber				
Acrylic Resin	D			

Exposure Indicator

D = Dermal, Skin
I = Inhalation, air
O = Oral, mouth

*No Indicator means no potential exposure scenario identified

Color Ratings

	Low or mild hazard identified and/or potential exposure
	Moderate hazard identified and/or potential exposure
	Problematic concern found. The combination of the hazard and potential exposure leads to some caution for some uses and/or applications.
	Cannot be fully assessed due to either lack of complete formulation, or lack of toxicological information for one or more ingredients.
	Highly problematic material containing one or more chemicals classified as CMR and having a plausible route of exposure.

Go to spot.ul.com to view the full, detailed materials ingredient list

CERACLAD
<http://www.ceraclad.com/>



*Methodology based on Cradle to Cradle Certified™ Product Material Health Assessment Methodology v3.1



CERTIFIED

PRODUCT LENS MATERIALS
TRANSPARENCY AND
DISCLOSURE.
VIEW SPECIFIC INGREDIENTS
AND EVALUATIONS.
UL.COM/PL

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Material	CAS Number	Role	%					Comment
				MFG	Install	Use	End of Use	
Cement	65997-15-1	Base material	30%-50%	D				Strong skin sensitizer. If it can be shown that proper PPE is worn and skin contact during manufacture is not possible, will move to "C" during manufacture as well
Fly Ash	Proprietary	Base material	20%-40%					Has been tested to show heavy metal contamination well below acceptable levels. Slight inhalation risk during manufacture.
Silica	14808-60-7	Base material	10%-30%	I	I		I	Quartz is a known carcinogen. Manufacture, Installation, and End of Use phases all have the potential to create airborne quartz dust.
Inorganic-Based Admixture	Proprietary	Base material	0%-20%	I	I		I	Inhalation can lead to respiratory irritation
Pulp	Proprietary	Base material	0%-10%					Contains chlorine in excess of 100 ppm. Opportunity for AOX in wastewater during Manufacture and potential for dioxin formation if material is incinerated at End of Use
Synthetic Fiber	Proprietary	Base material	0%-6%					
Acrylic Resin	Proprietary	Resin	0%-1%	D				Residual monomers can be sensitizing, but once resin is fully cured there should be no issue in the I, U, or EoU phases
Additives	Proprietary	Additive	0%-1%					While the identity of the specific ether solvent is unknown, this class of solvents includes substances that are known to be CMRs. If it can be shown that there is no potential for worker exposure this substance will move from "x" to "c"

	Low or mild hazard identified and/or potential exposure
	Moderate hazard identified and/or potential exposure
	Problematic concern found. The combination of the hazard and potential exposure leads to some caution for some uses and/or applications.
	Cannot be fully assessed due to either lack of complete formulation, or lack of toxicological information for one or more ingredients.
	Highly problematic material containing one or more chemicals classified as CMR and having a plausible route of exposure.

