

# ■ Archatrak LEED | Porcelain Pavers

The data below is based on information provided by our manufacturer, Kronos USA. Archatrak believes that a number of our products can be used to generate LEED points. However, we understand that only the U.S. Green Building Council (USGBC) or GBCI (Green Building Certification Institute) is qualified to award points and grant LEED certification based on their current Green Building Rating System. As such, Archatrak Inc. does not guarantee that any of its products will earn LEED points but is willing to share the summarized information below from our manufacturers to help you through the ever-changing process. Please consult with a sales representative for further details on your product selection.

## MR Credit

### Materials & Resources

#### Building product disclosure and optimization

Recycled Content	The manufacturer's paver products are produced with 35% pre-consumer recycled materials.
Regional Materials	49% of the manufacturer's raw materials are quarried in the 500 miles radius and therefore contribute 49% of their value to the LEED credits of this section.
Sustainability Report	The available self-declared Corporate Sustainability Report (CSR) conforms to Global Reporting Initiative (GRI).
Environmental Product Declaration	The available industry-wide Environmental Product Declaration (EPD) conforms to 18014025.
Material Ingredients	The available Health Product Declaration (HPD) is in compliance with the Health Product Declaration open standard.
Waste Management	All packaging material are fully recyclable and reusable. Used porcelain is an "inert" material that can be recycled.

## EQ Credit

### Indoor Environmental Quality

Low Emitting Materials	No traces of VOC (Volatile Organic Compounds) are present in the manufacturer's pavers (as certified by the external labs conducting the tests).
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## SS Credit

### Sustainable Sites

Heat Island Effect	The great majority of manufacturer's paver products do not change the energy balance of an environment where installed. They do not produce any Urban Heat Island Effect, thanks to a Solar Reflectance Index (SRI) of $\geq 32$ .
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## EA Credit

### Energy & Atmosphere

Energy Performance (Conductivity)	1.0 – 1.3 W/mK
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## IN Credit

### Innovation

The manufacturer's paver products are produced in manufacturing plants which have received the ecological mark, ECOLABEL (EU Regulation 2002/272/EC). These facilities operate under environmental management systems compliant to ISO 14001:2004 and EMAS (European Council Regulation 761/2001). These environmental standards guarantee excellence in terms of:

- Safeguard of the environment
- Continuous improvement of the environmental performance products and manufacturing sites
- Healthcare of workers

**Heat Island Reduction  
Credit**

**Appendix 1: Minimum SRI Values in Leed® V4**

**Roofing Materials**

TYPE	SLOPE	Initial SRI	SRI After 3 Years
Low Slope Roof	≤ 2:12	82	64
Steep Slope Roof	> 2:12	39	32
Parking Cover	–	39	32

**Non-Roofing Materials**

TYPE	Initial Solar Reflectance (SR)	Solar Reflectance After 3 Years
Hardscape paving	0.33	0.28

**SRI Values of Selected Pavers**

NAME	POINTS	LEED Credit	R AVG	EM AVG
Cotto	47	Passed	0.419	0.880
Terrazzo Cool White	84	Passed	0.682	0.8920
Terrazzo Cool Grey	72	Passed	0.600	0.890
Terrazzo Grey Black	58	Passed	0.500	0.880
Terrazzo Charcoal	30	Passed	0.297	0.870
Monochrome Bone	78	Passed	0.640	0.910
Monochrome Sand	74	Passed	0.608	0.930
Monochrome Ash	56	Passed	0.459	0.900
Monochrome Cognac	42	Passed	0.383	0.850
Monochrome Leather	41	Passed	0.370	0.890
Monochrome Basalt	35	Passed	0.310	0.870
Crystal White	81	Passed	0.661	0.910
Travertine Avorio	80	Passed	0.668	0.909
Travertine Crema	77	Passed	0.638	0.920
Travertine Andes Silver	72	Passed	0.612	0.890
Travertine Shell	68	Passed	0.600	0.915
Travertine Pearl	67	Passed	0.549	0.960
Travertine River	62	Passed	0.520	0.920
Travertine Walnut	62	Passed	0.525	0.925
Travertine Cappuccino	55	Passed	0.505	0.880
Sandy Island	48	Passed	0.418	0.910
Quartzite Laguna	44	Passed	0.405	0.860
Texwood Ivory	52	Passed	0.450	0.910
Texwood Grey	49	Passed	0.424	0.910
Texwood Brown	38	Passed	0.344	0.910