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Ref: LEED SS Credit: Heat Island Reduction declaration

The LEED v4 for building design and construction (25/07/2019) document enables for sustainable sites up to 2 credit points for a new construction excluding healthcare for heat island reduction.

This credit can be obtained by installing a high-reflectance roof with following minimum solar reflectance index value:

	Slope	Initial SRI	3-year aged SRI
Low-sloped roof	<= 2:12	82	64
Steep-sloped roof	> 2:12	39	32

The non-profit organization Cool Roof Rating Council assessed following Renolit Alkorplan F membranes:

CRRC ID	Model	Colour	Initial SRI	3-year aged SRI
1116-0003	F 35276	Off-white	105	72
1116-0001	F 35276 Bright	Bright white	115	87

The validity must be checked on the CRRC website: www.coolroofs.org

The SRI value is based on solar reflectance and thermal emittance and is calculated according ASTM E 1980.

The products Renolit Alkorplan F 35276 in off-white (internal colour code 90100) and Renolit Alkorplan F 35276 Bright (internal colour code 90300) with above properties, fulfils the requirement and can benefit of 2 credit points for a new construction excluding healthcare for heat island reduction.

Kind regards,

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2 SEARCH RESULTS

A CRRC product rating describes the radiative performance of a roofing material; it does not indicate a ranking or approval. A product’s placement on the Rated Products Directory (Directory) does not mean that the product is “cool” as defined by any particular code or program. Only products with active ratings can be found on the Directory.

An asterisk (*) next to a product rating indicates a CRRC Rapid Rating.

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CRRC PROD. ID	MANUFACTURER	BRAND AND MODEL	PRODUCT TYPE	COLOR	SOLAR REFLECTANCE		THERMAL EMITTANCE		SRI		MORE INFO
					INITIAL	3 YEAR	INITIAL	3 YEAR	INITIAL	3 YEAR	
1116-0003	Renolit Belgium NV	Alkorplan F 35276 1.2mm Alkorplan F35276 - 1.5mm	Single-Ply	Off-White	0.84	0.62	0.84	0.79	105	72	±
1116-0001	Renolit Belgium NV	Alkorplan F 35276 Alkorbright 1920 - 1.5mm Alkorplan F 35276 Alkorbright 1920 - 2.0mm Alkorplan F 35276 Alkorbright 1920 - 1.5mm with fleeceback	Single-Ply	Bright White	0.91	0.73	0.84	0.78	115	87	±

Showing 1-2 of 2 results

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