

Carboline Radiant Ceiling Panels

Material

Stone wool (mineral wool) ceiling tiles.

Surface finish

Factory painted glass scrim.

Fire performance

- 1" insulation
 - ◆ Surface burning characteristics: UL723 (ASTM E84) Flame Spread Index 0-5, Smoke Developed Index 0-5 (UL labeled). CAN/ULC S102 Flame Spread Index 10-15, Smoke Developed Index 5.
- 1/2" insulation
 - ◆ Surface burning characteristics: UL723 (ASTM E84) Flame Spread Index 0, Smoke Developed Index 5 (UL labeled). CAN/ULC S102 Flame Spread Index 5, Smoke Developed Index 0.

ASTM E1264 classification

- 1" insulation
 - ◆ Type XX - stone wool base with membrane-faced overlay, Pattern E.
- 1/2" insulation
 - ◆ Type XX - stone wool base with membrane-faced overlay, Pattern G.

Sag resistance

Rockfon ceiling tiles are dimensionally stable even at high humidity levels of up to 100% relative humidity and can be installed at all temperatures ranging from 32 °F to 104 °F. No acclimatization is needed. Rockfon ceiling tiles can be installed during the very early stage of the build (when windows are not fully sealed) without any risk of deflection of the tiles. The low weight, stability and non-hygroscopic character of Rockfon tiles will limit the weight of the fully installed ceiling whilst retaining its declared properties even when applied in infrequently heated and unheated rooms without condensation.

VOC/formaldehyde emissions

The product fulfills requirements for low emitting acoustic ceiling tiles and meets the California Department of Health Services Standard Method V1.1 (February 2012) "Standard method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers (Section 01350)." Selected potential applications: LEED, CHPS and CALGreen.

Hygienic properties

Rockfon ceiling tiles are made of water repellent stone wool. Stone wool has no nutritional value and therefore it provides no sustenance to harmful microorganisms.

Sustainability

Rockfon stone wool ceiling tiles are primarily made from abundantly available basalt rock and contain up to 42% recycled materials. Rockfon products supplied in North America are produced in ISO9001/ISO14001 certified factories.

Modular size	lbs./sq. ft.	sq. ft./carton	NRC	CAC	AC	Fire class	Light reflectance	R value (BTU units)	RSI value (Watts units)
2' x 2' x 1/2"	0.33	144	0.60	-	-	A	0.85	1.8	0.31
2' x 2' x 1"	0.73	64	0.85	33	190	A	0.85	3.5	0.62