



Q TECH CR

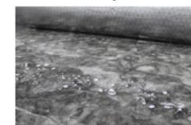
Mineral Wool Mat

Water repellent mat in biosoluble mineral wool bonded with a thermosetting resin especially oriented (TEL® technology) to obtain a very flexible system to be close installed on round surfaces. The product is designed as thermal insulation for large diameter pipes, tanks, and other type of industrial equipment. The outside surface of the rolls is faced with a foil reinforcement kraft.

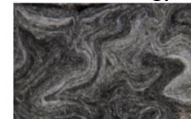
Characteristics

- Thermal insulation with application temperatures up to 450°C (Optimal performance for applications between 250°C and 450°C).
- Q TECH CR is designed to provide ease of installation and retention of performance properties.
- It is a sustainable product and is characterized by its softness and little detachment of material.
- Water repellent product with special and uniform fiber orientation (TEL® technology) that provide it a close installation on round shapes such as pipes, tanks, ducts, vessels, and other similar round and irregular shapes, without reducing the thickness of insulation.
- Meets standard **ASTM C1393** Type I, II, IIIA, IIIB. (Standard Specification for Perpendicularly Oriented **MINERAL FIBER** Roll and Sheet Thermal Insulation for Pipes and Tank) **
- Mineral wool Q TECH CR **does not promote corrosion** according to **ASTM C795** standard.
- Q TECH CR is a free DBE product as required by Oregon State.

Water repellent



TEL® technology



Technical properties

PARAMETER	STANDARD	DESCRIPTION
Short term water absorption	EN-1609	≤ 1 kg/m ²
Thermal performance (Thermal conductivity)	ASTM C518	0.036 W/m.°C at 24°C (Mean. Temp.) (0.25 BTU.in/hr.ft ² .°F at 75°F Mean. Temp.)
Operating limits	ASTM C411	Max. 450°C (842°F)
Compressive strength	-	Min. 20 lbf/ft ² - 10% deformation
Surface burning characteristics	ASTM E84	Meets requirements
Corrosiveness	ASTM C795	Meets requirements
Fungi resistance	ASTM C1338	Meets requirements
Odor emission	ASTM C1304	Meets requirements
Water vapor permeance	ASTM E96 Method A	FRK: 0.02 Perms max. (1.15 ng/Ns)
FRK Vapor barrier	ASTM C1136	Meets requirements
DBE content	Oregon State	FREE, Meets requirements

**Category: The product has a compressive strength minimum value of 20 lbf/ft²



Technical data sheet_P04_FT_180_Q TECH CR_EN_28.05.2019

Presentation

PRODUCT	LENGTH mm	WIDE mm	THICKNESS mm	NET WEIGHT ± 10% kg/m ² (g/ft ²)
156"x48"x2"	3962 ±152mm	1219 ±3mm	51 ±2mm	1.63 (151.4)
115"x 48"x 3"	2921 ±152mm	1219 ±3mm	76 ±2mm	2.18 (202.5)
115"x 48"x 4"	2921 ±152mm	1219 ±3mm	102 ±2mm	2.93 (272.2)

Vapor barrier (FRK: Foil Reinforcement/Scrim kraft). Emissivity: 0.03

Packaging

PRODUCT	m ² /roll	TOTAL NET WEIGHT ± 10% (kg/Package)
156"x48"x2"	4.83	7.87
115"x 48"x 3"	3.56	7.76
115"x 48"x 4"	3.56	10.43

Polyethylene shrink package roll extreme open and auto-adhesive label.
1 roll/package.

Recycled content

- (1) PI Post-industrial Recycled content: Collected from manufacturers or industry.
- (2) PC Post-Consumer Recycled content: Collected from end uses.

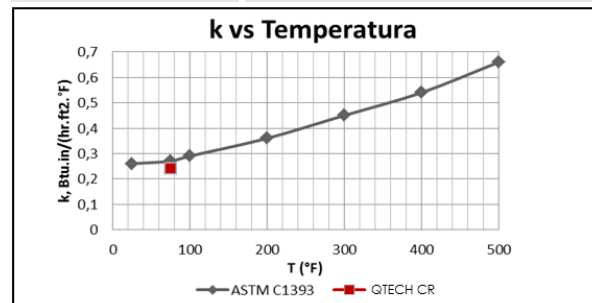
PRODUCT	TOTAL RECYCLED CONTENT	POST-INDUSTRIAL RECYCLED CONTENT PI (1)	POST-CONSUMER RECYCLED CONTENT PC (2)
156"x48"x2"	68.2%	68.2%	0 %
115"x 48"x 3"	69.5%	69.5%	0 %
115"x 48"x 4"	70.4%	70.4%	0 %

Certificates



Thermal Performance

ASTM C1393 Type IIIB			
TEMPERATURE		THERMAL CONDUCTIVITY	
°F	°C	BTU.in/hr.ft ² .°F	W/m.°C
25	-5,6	0,26	0,037
75	22,2	0,27	0,039
100	36,1	0,29	0,042
200	91,7	0,36	0,052
300	147,2	0,45	0,065
400	202,8	0,54	0,078
500	258,3	0,66	0,095



Apparent Thermal Conductivity Curve based on laboratory testing and subjected to normal testing variations. ASTM C411 Thermal Performance (850°F).

Q TECH CR			
TEMPERATURE		THERMAL CONDUCTIVITY	
°F	°C	BTU.in/hr.ft ² .°F	W/m.°C
75	24	0,24	0,035

* Preliminary value for conductivity at 24 °C under ASTM C411.

Installation guide

For further information: www.isover.com.co.

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