

eco 
CARBON
FOAM



ECO 40 FOAM
Spec Sheet



Intertek

Control # 5022141

ECO 40 Foam

Product Details



Description

Our environmentally friendly ECO 40 Foam insulation is residential and commercial grade rigid foam insulation made using post-consumer type 6 recycled polystyrene. Produced by using environmentally friendly techniques and post-consumer recycled materials, ECO 40 Foam insulation is an industry leading product in the effort to reduce plastics waste while also meeting or exceeding all regulatory requirements. ECO 40 Foam insulation is ideal for all structural, non-structural, and underground needs.

Compliance

CAN/ULC S701.1:2017;
ASTM C578-19;
S102.2-18;
UL 723 (2018)

Certifications



Handling & Storage

ECO 40 Foam insulation is an environmentally friendly non-reactive product. Store in accordance with local regulations and away from all ignition sources or open flame. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials, food, and drink.

Health & Safety

It is recommended that appropriate personal protective equipment be worn while handling ECO 40 Foam insulation. ECO 40 Foam insulation should be stored and installed away from sources of ignition and open flame. For further guidance please refer to the Safety Data Sheet at: <http://www.ecocarbonfoam.ca/wp-content/uploads/2022/05/ECO-30-Safety-Data-Sheet.pdf>

PRODUCT DATA

	CAN/ULC S701.1:2017	ASTM C578-19
Thickness	50 mm	2"
Compressive Strength	386 kPa	40 psi
Water Absorption (% by volume)	0.4	0.2
Water Vapor Permeance	45 ng/Pa·s·m ²	0.71 Perm ²
Dimensional Stability (Linear % Change)	1.4	1.4 1.8
Flexural Strength	565 kPa	82 psi
Density	-	2.38 lb/ft ³

Thermal

Thermal Resistance	1.66 (m ² ·°C/W)	5.2R per inch
Surface Burning Characteristics	140 (FSR)	See Below Table

Surface Burning Characteristics

	S102.2-18	UL 723 (2018)
Thickness	51 mm	2"
Flame Spread	140 rating	-
Ceiling Burn Only ¹	-	0 index
Ceiling Burn Only ¹	-	0 index
Smoke Developed	445 classification	-
Ceiling Burn Only ¹	-	0 index
Ceiling Burn Only ¹	-	5 index

¹ These numerical flame spread and smoke developed ratings are not intended to reflect hazards presented by this material under actual fire conditions. All applicable building codes must be followed.

AVAILABLE IN 2' X 8' OR 4' X 8' SHEETS

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Visit us at
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