



Recycled Denim has a New Purpose



EcoShield

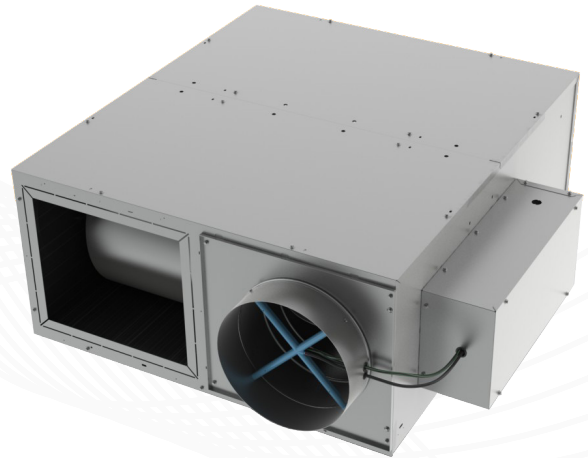
Titus introduces EcoShield, the industry's first natural fiber insulation.

EcoShield is a sustainable product comprised of recycled denim, which means it is environmentally friendly and contains no harmful irritants or chemicals.

EcoShield also includes an EPA registered anti-microbial (biocide) mold and fungal inhibitor ensuring the product is safe for you and the environment.

Additionally, EcoShield is a thermally bonded, high density insulation that meets all industry thermal and acoustic requirements.

As the industry's first natural fiber insulation, the sustainable EcoShield product is truly the best choice for a safe, environmentally conscious IAQ liner.





ECOSHIELD IS A SUSTAINABLE PRODUCT

- » Carries the Seal of Cotton™ from Cotton Incorporated
- » It's comprised of recycled denim
- » Rapidly Renewable Material

ECOSHIELD IS A NATURAL FIBER

- » Doesn't itch or irritate the skin
- » Contains no VOC's, Formaldehyde, or Phenols
- » Indoor Air Quality (IAQ) Friendly

The table below shows EcoShield vs. standard fiberglass insulation.

	Standard	EcoShield	Fiberglass
Temperature Limit	ASTM C 411	250°F	250°F
Air Velocity	ASTM C 1071, UL 181	Pass	Pass
Surface Burning	ASTM E 84, UL 723	25/50 (actual 5/10)	25/50
Fire Standards	NFPA 90A and 90B	Meets	Meets
Corrosion Resistance	ASTM C 739	Pass	N/A
Bacteria Resistance	ASTM G 22	Pass - no growth	N/A
Fungi Resistance	ASTM G 21	Pass - no growth	N/A
C Value		0.52	0.52

SUGGESTED SPECIFICATIONS

The terminal casing shall be minimum 22-gauge galvanized steel (20 gauge for fan powered terminals), internally lined with ½-inch matte faced, natural fiber insulation that complies with UL 181 and NFPA 90A. The liner shall comply with ASTM G21 and G22 for fungi and bacterial resistance.

