

# Quiet Denim™ Insulation – Technical Data Sheet

## TECHNICAL BULLETIN

3.04.04

### Product Description:

Air Lay fabric is composed of a blend of reclaimed natural and synthetic fibers, reinforced with a bi-component virgin fiber binder. Engineered for eco-friendly, high-performance insulation.

### Material Composition:

- 15% Bi-component binder fiber
- 85% Reclaimed natural and synthetic shoddy fibers

### Physical Properties:

- **Weight:** 186 gsf (nominal)
- **Density:** 1.66 lb. / cu. ft.
- **Thickness:** 75 mm (nominal)

### Certifications and Standards:

- **Compliance:** Meets 2021, 2018, and 2015 IBC and IRC requirements.
- **Flammability Standard:** E-84 – Class I or A rating (providing superior fire resistance)
- **ASTM C518:** Thermal Resistance
- **ASTM C739:** Corrosiveness, Fungi Resistance, and Moisture Absorption

### Environmental Impact:

- Made with 85% reclaimed fibers, contributing to sustainability and eco-conscious building practices.

### Additional Features:

- **Odor:** No objectionable odor, ensuring a clean, fresh indoor environment
- **Acoustic Properties:** Provides excellent sound absorption for noise reduction in walls and ceilings
- **Thermal Performance:** Tested per ASTM C518 for consistent R-value performance.
- **Fungi and Moisture Resistance:** Tested according to ASTM C739 for superior durability in various environments.
- **Fire Safety:** Meets stringent surface burning standards for enhanced safety.

