



Design, Build, Renovate



(800) 373-4262
Worldwide Service

(913) 780.0770
ICA East: (914)669.4394

Energy Saver Reflective Fabric Ceiling Specifications

General Description:

The Energy Saver Reflective Fabric Ceiling is a fabric only ceiling consisting of a white support fabric and painted steel banding. The Energy Saver Reflective Fabric Ceiling is designed primarily for use in metal buildings, but can be used in various types of buildings. The fabric is fastened to the inside of the roof framing and is supported by the banding.

Product Specifications:

System components shall meet the following minimum specifications:

STEEL STRAP: 8 KSI tempered, high-tensile strength steel, galvanized, primed and painted white. Minimum size shall be a minimum thickness of .015" x 3/4" wide x continuous length.

FASTNERS: #12 x 3/4" plated Tek 2 screws, for up to 1/4" thick, painted white for light gauge steel (typically purlins). #12x 1 1/4" plated Tek 4 screws painted white for heavier gauge steel (typically primary framing), up to 3/8" thick.

ENERGY SAVER FABRIC: Shall be woven reinforced high-density polyethylene yarns coated on both sides with a continuous white or colored polyethylene film. The fabric shall have a flame spread index of 25 or less and smoke density index of 50 or less based on ASTM E-84 and CAN/ULC test standards. This material shall be manufactured in large custom pieces by extrusion welding from roll goods. Pieces shall be fabricated to substantially fit the large defined building areas with minimum practical sealing to be done on job site. Fabric shall be folded to allow for rapid pullout on the strap support system. Energy Saver fabric perm rating shall be .02 grains/hr/sf/in. Hg) – based on ASTM E96 Procedure A, desiccant method.

SEALANTS: Shall be fast-tack solvent-based vapor barrier sealant, synthetic rubber adhesive for sealing vapor barrier laps and/or pressure sensitive 3/4" wide by 1/32" thick extruded vapor barrier tape sealant.