TECHNICAL BULLETIN

T 59

Use of ASTM E 1264 "Standard Classification For Acoustic Ceiling Products" in Specifications

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TECTUM Inc. • P.O. Box 3002 • Newark, OH 43058 • www.tectum.com • 1-888-977-9691

The Federal Specification, Sound Controlling (Acoustical) Tile and Panels SS-S118B is obsolete and has been replaced by ASTM equivalent E1264 Standard Classification for Acoustical Ceiling Products. Class A material meeting E1264 shall be tested in accordance to ASTM method E-84 and the flame spread rating of the product shall not exceed 25, nor shall the material show evidence of continued combustion after the test flame has been extinguished. All surfaces, including those that would be exposed by cutting through the material in anyway, shall meet these requirements. Class A products defined by E1264 shall have a smoke developed rating not to exceed 50. This requirement is equivalent to model code requirements for ceiling materials used as a return air plenum.

The model codes have the same flame spread requirement for Class I or A interior finish materials, but the smoke develop must be less than 450. This value was determined based on the smoke required to obscure exit signs.

Tectum Wall and Ceiling Panels meet the definition of Class A by either of the requirements. Fabri-Tough panels meet the model code requirements for Class I or A but not the ASTM E1264. The smoke developed rating has varied on the tests we have conducted on Fabri-Tough panels from 95 to 155. This is clearly above the 50 requirement. These panels have also been tested in the room-corner test UBC 8-2 or equivalent and meet the code requirements for use of fabric-covered panels.

Specifications must be written in such a manner that the products being specified meet the written requirements. Specifications which show Fabri-Tough should not refer to the ASTM E1264 but refer to the model code requirement for the room-corner test UBC 8-2 or equivalent and the model code definition of Class A or I.

Tectum Interior Panels can be generically specified using ASTM E1264 as Type XIV (excelsior bonded with inorganic binders), Form 1 (No Backing) or Form 2 (Backed with mineral or glass fiber base backing), pattern L (random swirl), Class A.

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