

Tectum I, Tectum III, Tectum IIIP & Tectum E Roof Decks are approved in Type I (B), Type II (A & B), Type III (A & B), Type IV (HT) and Type V (A & B) construction. Verification is:

Go to ICC Evaluation Report ESR-1112:

1. Finding 4.2: Decks 1 ¾" and thicker may be classified as heavy-timber roof deck.
 - a. This would include all thicknesses of Tectum I, III, IIIP & "E".

Go to International Building Code to define uses of "Heavy Timber":

1. Section #603.
 - a. Note 19: Heavy timber is permitted by Note C, Item 2, to Table 601 and Sections 602.4.7 and 1406.3.
2. Table #601.
 - a. See the fire-resistant ratings for roof construction. All of the types (Type I (B), Type II (A & B), Type III (A & B), Type IV (HT) and Type V (A & B) construction) require 1 hour or less.
3. Now go to Note C.
 - a. "In all occupancies, heavy timber shall be allowed where a 1-hour or less fire-resistance rating is required."

Therefore, Tectum I, Tectum III, Tectum IIP and Tectum E Roof Deck can be used in non-combustible constructions, Type I (B) and Type II and Type III, which are just about all school buildings throughout the country.