

**07 30 00 thru 07 70 00 ROOFS**

1.0 General Requirements

- A. Roof shall be historically accurate and shall be coordinated with Master Plan.
- B. At areas where foot traffic will occur (mechanical units, particularly), provide walk pads. Path of pads shall follow most convenient route between roof access and destination and 360 degrees around roof top equipment.
- C. Fall protection to allow safe roof top work shall be incorporated into the roofing system.
- D. NO SKYLIGHTS ALLOWED

**PART 2: PRODUCTS**

2.00 General

- A. Provide 20-year manufacturer roof system's no dollar limit warranty on materials.
- B. Must have recover board to protect membrane from hail damage.
- C. Two ply system – including thermoplastic membrane systems.
- D. Fully adhered.

2.01 Thermoplastic

- A. Preferred over Bitumen on roofs that DO NOT HAVE EXTENSIVE ROOFTOP EQUIPMENT, Coordinate with Owner.
- B. Must be heat welded.
- C. Any special coatings must be covered by mfg roof system warranty.
- D. 60 mil - minimum
- E. PVC – 1<sup>st</sup> Choice – Preferred
  - a. Manufacturers by order of preference, 1<sup>st</sup> to last:
    - i. Sika-Sarnafil
    - ii. DuroLast
    - iii. GAF
    - iv. Johns Manville
- F. TPO
  - a. Manufacturers by order of preference, 1<sup>st</sup> to last:
    - i. GAF
    - ii. Johns Manville
    - iii. Carlisle SynTec

2.02 Bitumen

- A. Preferred over Thermoplastic on roofs that have that HAVE EXTENSIVE ROOFTOP EQUIPMENT.
- B. Any special coatings must be covered by mfg roof system warranty.
- C. No cold applied.
- D. No hot mopped allowed
- E. Manufactures
  - a. Siplast
  - b. Soprema

2.03 Shingles

Shingles are not a standard roof on a Sam Houston State University. Special permission from the Owner is required prior to specifying shingles.

2.04 Metal Roofing

Metal roofs are infrequently used on Sam Houston State University structures. Special permission from the Owner is required prior to specifying metal roofing.

2.05 Urethane Foam

Foam roofs are not permissible.

**07 80 00 FIRE & SMOKE PROTECTION**

1.00

- A. Compatibility of materials: All fire stopping must be a UL approved assembly.

2.00 General Requirements

- A. Labeling/identifying conditions for future modifications: On the above ceiling (concealed) surface of each side of all fire rated walls, stencil in red and with 6" lettering, the rating of the wall. Labeling of each fire rated penetration above ceiling by a certified company is required.

**00 90 00 JOINT PROTECTION**

1.01 Scope of Standard

- A. This standard provides general guidance concerning the specific preferences of Sam Houston State University for jointing of exterior vertical surfaces for the following materials:
  - 1 Concrete
  - 2 Masonry

**PART 2: PRODUCTS**

2.01 Joint Sealant

- A. Unless otherwise required for specialized conditions, joint sealant shall be a moisture-cured, single- or multi-component (depending on the application and required expansion/contraction capabilities), polyurethane-base, non-sag, elastomeric sealant.
- B. Sealant depth-to-width ratio at the center of the joint shall be 1:2.
- C. Where applicable, provide a compatible sealant primer.