

075100S01- BUILD UP ROOFING (BUR) STANDARD GUIDELINES

1. GUARANTY

BUR roofs shall have a ten year unlimited guaranty with no penal sum.

2. VAPOR BARRIER

Should a vapor barrier be required, it shall be an elastomeric membrane of Ethylene Interpolymer (EIP) either mopped down or self adhering installed by manufacturer's instructions.

3. INSULATION

Minimum insulation shall be R-20 using industry standard insulation approved by the roofing system manufacturer. Top layer shall have staggered taped joints. On flat roofs, tapered packages shall be designed and installed with minimum of 1/8" per foot fall.

4. MEMBRANE CONSTRUCTION

BUR membrane shall have:

1. 3 plies of type 6 fiberglass membrane with a cap sheet of white Ethylene Interpolymer (EIP) or,
2. 4 plies of type 6 fiberglass membrane with top 2 coatings of non-fibrated aluminum. The interply adhesive shall be SEBS rubberized asphalt.

5. FLASHING, BASE AND CURB

Flashing membrane shall be:

1. Ethylene Interpolymer (EIP) or,
2. SBS modified bitumen woven glass reinforced roofing sheet.

6. DEAD LEVEL ROOF DECKS

On dead level roof decks, the University may consider a coal tar pitch roof of insulation and 5 roof plies with aggregate surface.

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7. COUNTERFLASHING AND SHEET METAL

Acceptable materials are

1. 16 gauge copper
2. 26 gauge galvanized
3. 26 gauge stainless steel.

All corners shall be preformed with no joints occurring at corners.

Metal counterflashing shall be two part with the fixed part set in a reglet with wedges of lead or copper and caulked using urethane caulk. Surface mounted reglets are prohibited.

All sheet metal work shall be guaranteed for 5 years.

8. DRAINS, SCUPPERS AND OVERFLOWS

On roofs with drains and parapet walls, scupper(s) shall be provided for overflow. The amount of water which a scupper shall pond on a roof because of its elevation above the roof deck shall not exceed 75% of the designed live load of the roof deck.

9. MISCELLANEOUS

All drains, scuppers, downspouts, gutter beds, parapet walls, coping, water tables, etc., from the roof deck up shall be considered part of any roof project.