### Cleveland Clinic Roofing Systems Standard

**Issue date:** 17 Dec 2014

#### Roofing systems

<table>
<thead>
<tr>
<th>Type</th>
<th>Torch-applied SBS PMA roofing</th>
<th>Tar-applied SBS PMA roofing</th>
<th>Cold fluid-applied roofing</th>
<th>SBS modified bitumen roof system</th>
<th>SBS modified bitumen roof system - Install Method A</th>
<th>SBS modified bitumen roof system - Install Method B (see Note Y)</th>
<th>Metal roofing systems</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cleveland Clinic preference</td>
<td>Torch-applied SBS PMA roofing</td>
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<td>1st preference</td>
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</tr>
<tr>
<td>Standard warranty</td>
<td>30 years / 30 years at additional cost</td>
<td>30 years / 30 years at additional cost</td>
<td>30 years / 30 years at additional cost</td>
<td>20 years / 30 years at additional cost</td>
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<td>Artificing lifetime</td>
<td>30+ years</td>
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<td>Building type application</td>
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<tr>
<td>Roofing support</td>
<td>Metal deck</td>
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#### Cost impact

- Up to 10% greater than SBS modified bitumen system (not including concrete deck or structural upcharge)
- Up to 10% greater than SBS modified bitumen system (not including concrete deck or structural upcharge)
- Typically less expensive than BMPA roof but may cost more if complex open joint systems are required
- Less expensive than BMPA roof
- Less expensive than BMPA roof

#### Roof structural system

- Normal-weight concrete with vented metal deck or structural upcharge
- Normal-weight concrete with vented metal deck or structural upcharge
- Normal-weight concrete with vented metal deck or structural upcharge
- Normal-weight concrete with vented metal deck or structural upcharge
- Normal-weight concrete with vented metal deck or structural upcharge
- Normal-weight concrete with vented metal deck or structural upcharge

#### Required test during/after prior to base sheet installation

- None required but FM 95-01 visual observation standard or ASTM D5295-00 can be used
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#### Accepted manufacturers

- Trane
- Soprema
- Tremco
- Soprema
- Tremco
- Soprema
- Tremco

#### Acceptable materials

- Reverbred stone base (no brown or tan)
- Reverbred stone base (no brown or tan)
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- Reverbred stone base (no brown or tan)
- Protection mat
- Protection mat
- Protection mat
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- Protection mat

#### Construction phase roof

- CONSTRUCTION PHASE ROOF
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#### Base cost

- 200,000 lbs. - fluid-applied hot-mopped base roofing

#### Pipe and Fluid Systems

- 200,000 lbs. - fluid-applied hot-mopped base roofing

#### Roof drain type

- Hub type, flush to concrete deck - refer to plumbing spec. Note: do not sump overflow drains.

#### Roofing system details

- Asphaltmodified granulated cap sheet, color = light gray or black
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