

**Table 12.7.: Safe Work Practices**

| ITEMS             | REQUIREMENTS   |
|-------------------|--|
| <b>4. ROOFING</b> | <p><b><u>1. ASPHALT AND TAR KETTLES</u></b></p> <ul style="list-style-type: none"> <li>i. Asphalt and tar kettles shall not be located on roofs.</li> <li>ii. A lid that can be closed by means of gravity shall be provided on all roofing kettles.</li> <li>iii. The tops and covers of all kettles shall be close-fitting and constructed of steel having a thickness of not less than No. 14 manufacturer's standard gauge 2 mm.</li> <li>iv. Used roofing mops and rags shall be cleaned of excessive asphalt and stored away from the building and combustible materials.</li> <li>v. Discarded roofing mops and rags shall not be in contact with combustibles.</li> <li>vi. Kettles shall be constantly attended when in operation by a minimum of one employee knowledgeable of the operations and hazards. The employee shall be within 7600 mm of the kettle and have the kettle within sight.</li> <li>vii. Roofing kettles shall not block exits, means of egress, gates, roadways, or entrances. In no case shall kettles be closer than 3000 mm from exits or means of egress.</li> </ul> <p><b><u>2. SINGLE PLY AND TORCH APPLIED ROOFING SYSTEMS</u></b></p> <ul style="list-style-type: none"> <li>i. Single-ply and torch-applied roofing systems shall be installed using extreme caution.</li> <li>ii. Torches or hot-air guns used to secure roofing membranes shall be used in accordance with the manufacturer's recommendations.</li> <li>iii. In order to prevent smoking or ignition of roofing membranes, they shall not be overheated.</li> </ul> <p><b><u>3. WORKING NEAR OPENINGS, PENETRATIONS AND FLASHINGS</u></b></p> <ul style="list-style-type: none"> <li>i. Caution shall be used where working near roof openings, penetrations, or flashings.</li> <li>ii. The flame of the torch shall not come in direct contact with wood nailers, cant strips, or metal flashing.</li> <li>iii. Small torches shall be used to heat the underside of the membrane at a distance from these areas before securement.</li> <li>iv. Hot trowels shall be used to feather seams at laps and flashings.</li> <li>v. The torch shall not be used in areas where the flame impingement cannot be fully viewed.</li> <li>vi. Open flames shall not be left unattended.</li> </ul> <p><b><u>4. FLAME CONTACT PROTECTION</u></b></p> <ul style="list-style-type: none"> <li>i. The torch flame shall not be applied to a combustible substrate for the membrane.</li> <li>ii. Base ply shall be used to cover wooden decks, combustible insulation (such as foam plastic, kraft-faced glass fiber, or wood fiber), small crevices, cant strips, plastic fastener plates, or any other combustible surface.</li> <li>iii. Base ply shall be permitted to consist of either glass fiber felts or minimum 18 kg (40 lb) organic felts.</li> <li>iv. Torch flames shall not come in contact with exposed plastic roofing cement.</li> </ul> |