

**Table 12.7.: Safe Work Practices**

ITEMS	REQUIREMENTS
<b>4. ROOFING</b>	<p><b><u>5. TORCH APPLIED ROOFING IS HOTWORK</u></b></p> <ul style="list-style-type: none"> <li>i. The installation of torch-applied roofing and, in some cases, single-ply roofing systems is hot work and shall comply with <b>Section 3.4.</b>, of this chapter, except where otherwise noted.</li> <li>ii. Torch-applied roofing shall be exempt from the requirement in NFPA 51B, Standard for Fire Prevention During Welding, Cutting, and Other Hot Work, that combustibles shall be kept 11 m from hot work, commonly referred to as the “35 Foot Rule.”</li> </ul> <p><b><u>6. EQUIPMENT</u></b></p> <ul style="list-style-type: none"> <li>i. Proper equipment shall be used to heat roofing membranes.</li> <li>ii. Torches shall be equipped with a pilot adjustment, a flame height adjustment, a minimum of 7600 mm to a maximum of 15 m of listed hose, a pressure gauge, and a regulator.</li> <li>iii. A spark igniter shall be used.</li> <li>iv. Torch trolleys and multiple torch head machines shall be equipped with listed safety valves.</li> <li>v. Equipment shall be inspected thoroughly and repaired or replaced as needed prior to use.</li> </ul> <p><b><u>7. FUEL GAS CYLINDERS</u></b></p> <ul style="list-style-type: none"> <li>i. Fuel gas cylinders shall not be hoisted by their valves.</li> <li>ii. Straps placed around the cylinders shall be utilized.</li> <li>iii. Carts used to transport fuel gas cylinders shall be stable.</li> <li>iv. Safety caps shall be attached to all fuel gas cylinders and installed on the valves whenever cylinders are not in use.</li> <li>v. The fuel gas cylinder shall be sized for the torch used .</li> </ul> <p><b><u>8. FROST BUILDUP</u></b></p> <ul style="list-style-type: none"> <li>i. If frost buildup occurs on fuel gas cylinders and the rate of vapor withdrawal is no longer adequate for operating conditions, the cylinder shall not be placed on its side or heated with the torch flame.</li> <li>ii. The hose shall be disconnected and a larger cylinder shall be used.</li> </ul> <p><b><u>9. FIRE EXTINGUISHERS FOR ROOFING OPERATIONS</u></b></p> <ul style="list-style-type: none"> <li>i. There shall be at least one portable fire extinguisher having a rating of not less than 20-B no closer than 1500 mm and no more than 7600 mm of horizontal travel distance from every kettle at all times while such kettle is in operation.</li> <li>ii. Fire extinguishers shall be located in an accessible, visible, or identified location.</li> <li>iii. There shall be at least one multipurpose 2-A:20-B:C portable fire extinguisher on the roof being covered or repaired, or other fire protection shall be provided as determined by the authority having jurisdiction.</li> <li>iv. There shall be at least one multipurpose 2-A:20-B:C portable fire extinguisher within 6100 mm) of horizontal travel distance from torch-applied roofing equipment.</li> <li>v. All kettle operators and torch-applied roof installers shall be trained in the use of fire extinguishers.</li> </ul>