

# Monarch Industrial Products (I) Pvt. Ltd

## Liquid Waterproofing Membrane Vs APP Membrane

Properties	Liquid Waterproofing Membrane	APP Membrane
System	<ul style="list-style-type: none"> <li>Integral part of concrete</li> </ul>	<ul style="list-style-type: none"> <li>Bitumen Primer with Plastic/poly propylene /elastomeric layer embedded with polyethylene film - Mechanical bonding</li> <li>Bond strength depend on torch welding /Strength of adhesive</li> </ul>
Cost	Less expensive /Economical	Expensive - 30% higher
Heat	<ul style="list-style-type: none"> <li>Reflection</li> <li>Energy Saving upto 20%</li> </ul>	<ul style="list-style-type: none"> <li>Absorption</li> <li>Becomes brittle once the heat reaches 55°C</li> </ul>
Time completion	Short	Long duration - 30% more
Mechanical Damages Rework/ Patch Works/Joints /Cracks /Walls footings/covings/Corners & terminations	Possible	Not possible
Thickness control	Possible	Not possible
Joint	Seamless /Joint Free	Many seams prone to overlapping ,have to manage with Lap/Butt joints
Elongation	200%	45%
Stretchability	Highly flexible	Less flexible
Job Location	Fits to any intricate area /shape	Pre-fabricated, standard size sheet does not fit to intricate area/shape
Workers	Semi-Skilled	Skilled
Life	10 yrs	10 yrs