guide the selection between
SBS (Styrene-Butadiene-Styrene) and APP (Atactic Polypropylene)
modified bituminous membranes

Factor	SBS (Styrene-Butadiene-Styrene) Membrane	APP (Atactic Polypropylene) Membrane
Flexibility & Elasticity	Highly flexible and elastic, can expand and contract with temperature changes	Less flexible, more rigid but offers good durability
Weather Resistance	Performs well in extreme cold temperatures, remains flexible	Better resistance to UV rays and high temperatures
Application Method	Typically applied with cold adhesives or torched	Usually torched or heat-welded for better adhesion
Best Suited Climate	Cold and fluctuating climates	Hot and sunny climates
Crack Resistance	High crack resistance due to elasticity	Moderate crack resistance, may become brittle in cold weather
UV & Heat Resistance	Moderate UV resistance, needs additional UV protection	Excellent UV resistance, withstands high temperatures
Waterproofing Efficiency	Excellent waterproofing, especially in high movement areas	Good waterproofing but less flexible in movement areas
Durability & Lifespan	20–30 years with proper maintenance	25–35 years with good UV exposure protection
Application Areas	Ideal for complex roof structures, bridges, and areas with temperature fluctuations	Best for flat roofs, terraces, and areas with high sun exposure
Cost	Usually more expensive due to added flexibility and durability	Generally more affordable compared to SBS