The very poor heat conduction property of a uPVC pipe makes it ideal for use in warm non-pressure waste water systems at elevated temperatures. These temperatures should not exceed 60°C. It has been proved that, for a fluid temperature of 60°C, the outside of the PVC pipe can be about 40°C (depending on the wall thickness of the pipe) thus maintaining the pipe in its rigid form. Heavy gauges of PVC pipes are however recommended for use in hospital, clinics and other high risk drainage and waste systems.