

124.800m

Upper Section of Spire

Prevailing wind assists in removing warm air.

Warm air leaves Spire through perforations.

Maximum outside air Temperature = 23°C

112.286m

Rainwater collected internally by gutter.

Maximum internal Temperature at the top = 42°C

Lower Section of Spire

Rainwater flows down face of Spire

Cold water supply pumped to high level gutter for cleaning.

External surface rainwater collected in basement gutter

4.800m

Warm air rises up through Spire.

Maximum outside air Temperature = 28°C

Outside air drawn into Spire through low level gutter.

Air temperature in the basement less than outside during the summer.

Collected Water pumped to sewer

All levels are metres OD

Spire of Dublin Services

