

SUMMARY

Scope

Code of Practice for the design, installation, components, water supplies and testing of automatic fire sprinkler systems for the use in domestic and residential occupancies.

Domestic (individual dwelling houses, individual flats, maisonettes, and mobile homes)

Residential (multiple residences including apartment buildings, residential homes, houses of multiple occupancy, and Nursing Homes).

Water supply

Town main water supply or pumped stored water.

Extent of protection

Habitable areas except bathrooms less than 5m² and cupboards less than 2m².

Non-occupied roof spaces and basements can be omitted.

Full or partial systems with relevant agreements.

Water flow requirements

Domestic Up to 120 litres/min (single residence)

Residential Up to 240 litres/min (multiple residence)

Water pressure requirements

By hydraulic calculation. Typically 3 bar supply at ground floor level.

Stored water requirements (when mains water is not available)

Domestic 10 minutes or agreed time.

Residential 30 minutes or agreed time.

Pipe work

Copper or approved plastic, pressure tested on completion to 1.5x working pressure for 1 hour.

Sprinkler type

Quick response thermal residential types, concealed or surface fitted.

Coverage

Up to 15 m² per sprinkler head or manufactures recommendations.

Alarm signaling

Audible alarm inside and outside the premises, to operate when a sprinkler activates.

Maintenance

Recommended full service inspection and test each 12 months by RSA qualified inspector.

Residential or special cases may require servicing at more regular intervals.