

Fire Sleeve - Ducting

For use with Titon's HRV Q Plus and CME Q Plus Ranges

Fire Sleeves prevent the spread of fire where plastic pipes or plastic ducts penetrate fire compartment walls.

Regulations

Building Regulations impose limitations on all pipes passing through fire compartment walls and floors. QRS Intumescent Fire Sleeves allow plastic ducts to meet the requirements of the Building Regulations. QRS Intumescent Fire Sleeves have been tested according to BSEN 1366-3: 2009 where various plastic duct sizes have met insulation and integrity criteria for this standard for up to 2 hours.

Features & Benefits

- Tested to BSEN 1366-3: 2009
- Tested with Uncapped/Uncapped (U/U) duct configurations as required for ventilation ducts
- Up to 2 hour fire rating
- Suitable for masonry walls or plasterboard partitions
- Suitable for insulated and non-insulated partitions
- Can be retrofitted
- No mechanical fixings required
- Robust galvanised steel shell
- Performance unaffected by weathering (Type X Durability)

Composition

The QRS Intumescent Fire Sleeves consist of a flexible galvanised steel shell containing graphite based intumescent material.

They are manufactured to suit flat ducts of 110x54mm, 204x60mm, and 220x90mm. And round ducts with 100mm and 125mm overall diameter.

Durability

Tested to Type X durability which means the QRS Fire Sleeves can be installed in conditions exposed to weathering. QRS CE/UKCA Marked Fire Sleeves are expected to last the lifetime of the building.

Applications/Installation

The QRS Intumescent Fire Sleeve should be placed around the ventilation duct, positioned centrally within the partition and should be flush or protrude from each face of the wall. The plasterboard should be cut to a tight fit around the QRS Intumescent Fire Sleeve, and any gaps should be sealed with the Quelstop Intumescent Acrylic Sealant, part number QSS310.

For all sleeve types, please refer to manufacturers installation guidance prior to system design or installation.

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Performance

Product Code	Duct Size (mm)	Space needed around duct to fit QRS Slim Sleeve (mm)	Recommended aperture (mm)	QRS length (mm)	Fire Rating
QRS110/54	110 x 54	9	130 x 73	140	120 minutes
QRS205/60	204 x 60	9	225 x 80	180	120 minutes
QRS220/90	220 x 90	18	256 x 126	140	120 minutes
QRS110*	100	10	130	180	120 minutes
QRS130*	125	20	170	180	90 minutes
QRS 75	75 Semi rigid	8	90	140	120 minutes
QRS 90*	90 Semi Rigid	13	116	140	120 minutes

* QRS110, QRS130 and QRS 90 are not currently CE/UKCA Marked

QRS Fire Sleeve installed in plasterboard partition

