



# Semi Rigid Duct

## Regaduct Insulated DI

- Aluminium Polyester seamless vapour barrier
- 25mm or 50mm thermal insulation
- Bendable down to 1.5D x throat radius
- Size range 63mm to 500mm
- Lengths up to 5 metres
- Light weight and self supporting for ease of installation



### Regaduct Insulated

A semi rigid aluminium or stainless steel bendable duct covered with an external layer of mineral wool, offering a high level of thermal insulation.

Regaduct Insulated is ideal for both commercial and domestic installations. Its "stayput" ability ensures straight air paths that will not sag between supports whilst its flexibility allows bends and offsets around obstructions.

### Construction

Regaduct Insulated is supplied in standard 3 metre lengths. Special cut lengths are available from 500mm up to 5 metres.

### Inner Tube

Aluminium or stainless steel corrugated semi-rigid tube having a corrugation depth of 3mm.

### Insulation

Mineral wool in thicknesses of 25mm or 50mm.


### Outer Casings


Standard: Fibre glass scrim reinforced aluminium faced polyester seamless sleeve acting as both vapour barrier and air retaining tube. Aluminium/polyester has a fire resistance of Class 1 to BS476 Part 7 (Nil spread of flame). Alternatively aluminium corrugated bendable tube for higher strength. Corrugated aluminium has a fire resistance of 15 minutes to BS476 Part 8.

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### Physical Data

 Eff'f' Insulation Diameter mm	Regaduct AL		Regaduct SS	
	Centre Line Bend Radius	Weight Kg/Metre	Centre Line Bend Radius	Weight Kg/Metre
80	1.25D	0.44	1.5D	0.73
100	1.5D	0.53	1.5D	0.89
125	1.5D	0.65	1.5D	1.09
150	1.5D	0.76	1.5D	1.29
160	1.5D	0.80	1.5D	1.37
180	1.5D	0.89	2D	1.53
200	2.0D	0.98	2D	1.69
224	2.0D	1.09	2D	1.88
250	2.75D	1.21	2D	2.09
280	2.75D	1.34	2D	2.33
300	2.75D	1.43	3D	2.49
315	2.75D	1.50	3D	2.62
355	3.5D	1.68	3D	2.94
400	3.5D	1.88	4D	3.30
450	3.5D	2.10	4D	3.70
500	3.5D	2.33	4D	4.10

 DCÖ Insulation Diameter mm	Regaduct AL		Regaduct SS	
	Centre Line Bend Radius	Weight Kg/Metre	Centre Line Bend Radius	Weight Kg/Metre
80	1.5D	0.84	1.5D	1.13
100	1.5D	0.97	1.5D	1.32
125	1.5D	1.12	1.5D	1.57
150	1.75D	1.28	2D	1.81
160	1.75D	1.34	2D	1.91
180	1.75D	1.46	2D	2.10
200	2.25D	1.59	2.25D	2.30
224	2.25D	1.74	2.25D	2.53
250	3.0D	1.90	3D	2.78
280	3.0D	2.08	3D	3.08
300	3.0D	2.21	3D	3.27
315	3.0D	2.30	3D	3.42
355	3.5D	2.55	3.5D	3.81
400	3.5D	2.83	4D	4.25
450	3.5D	3.14	4D	4.74
500	3.5D	3.45	4D	5.22

