

Results from BSRIA Test Data to BSEN 442-1

@ Flow rate: 56g/sec

All test data based on powder coated white finish RAL 9010 to BS-EN 12206-1.

Urban LT Profile (150mm/6" x 20mm)

Weight: 1.35kg/m

Boiler Temp	Watts/m	BTU/m	BTU/ft
Dt50 (72 °C flow)	148.50	506	153
40° C	46	157	45
45° C	59	201	60
50° C	73	249	75
55° C	88	300	91
60° C	104	355	106
70° C	142	484	139
75° C	159	542	164

Classic Torus TS Profile (150mm/6" x 20mm)

Weight: 1.35kg/m

Boiler Temp	Watts/m	BTU/m	BTU/ft
Dt50 (72 °C flow)	150	512	155
40° C	47	160	48
45° C	60	205	62
50° C	74	252	76
55° C	89	304	92
60° C	105	358	108
70° C	144	491	149
75° C	160	546	165

Regency OG Profile (200mm/8" x 20mm)

Weight: 1.65kg/m

Boiler Temp	Watts/m	BTU/m	BTU/ft
Dt50 (72 °C flow)	170.80	583	177
40° C	52.90	180	55
45° C	67.90	231	70

50° C	84.00	287	87
55° C	101.20	345	105
60° C	119.60	408	124
70° C	163.30	557	169
75° C	182.90	624	189

Deco Profile (115mm/5" x 20mm)

Estimated subject to BSRIA test

Weight: 1.1kg/m

Boiler Temp	Watts/m	BTU/m	BTU/ft
Dt50 (72° C flow)	131.20	448	136
40° C	41.40	141	43
45° C	53.10	181	55
50° C	65.70	224	68
55° C	79.20	270	82
60° C	93.60	319	97
70° C	127.80	436	132
75° C	143.10	488	148

“DiscreteHeat recommends an allowance of up to 3% to these outputs on exterior walls to allow for back losses. Further precautions may be required depending on the age and/or nature of the construction of the building - please contact DiscreteHeat for advice.”

ThermaSkirt ®

Material: Aluminium & Polymer Alloy

Thermal Conductivity: 236w/m²/K

Water Content 0.49l per m

Paint Finish: to BS EN 12206-1

Foil Finish (where applied) Renolit MBAS
0.15mm

Corrosion Resistance: Excellent

Oxygen Permeability: 0 (Negligible)

Connectors

Material: Non Hygroscopic Engineering

grade polypropylene / Nylon mix

Oxygen Permeability: 0 (Negligible)

O Ring: Balanced Twin Shore Viton & Silicon
Mix

Maximum Operating Pressure: 10bar (150psi)

Maximum Op. Temperature: (Greater than or
Equal to) 130° C

Valves & Return Manifold

Material: Non Hygroscopic Engineering grade polypropylene / Nylon mix

Oxygen Permeability: 0 (Negligible)

O Ring: Balanced Twin Shore Viton & Silicon Mix

Maximum Operating Pressure: 10bar (150psi)

Maximum Op. Temperature: (Greater than or Equal to) 130°C

Connector Clips, Brackets & Fixtures

Punch pressed 306 Stainless Steel

Mounting Brackets (LT, TS & OG)

High Temperature Resistant Graphite Nylon

Covers & Corners

Ultra-stable temperature resistant ABS & UPVC

Foil Finish (where applied) Renolit MBAS

0.15mm