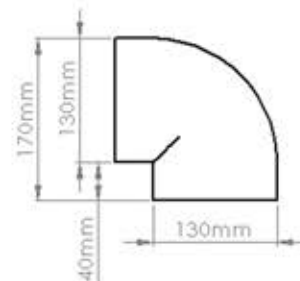
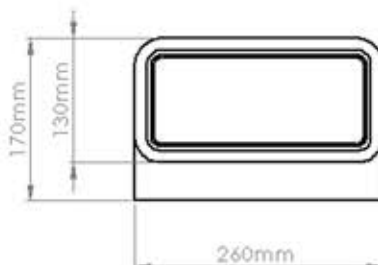
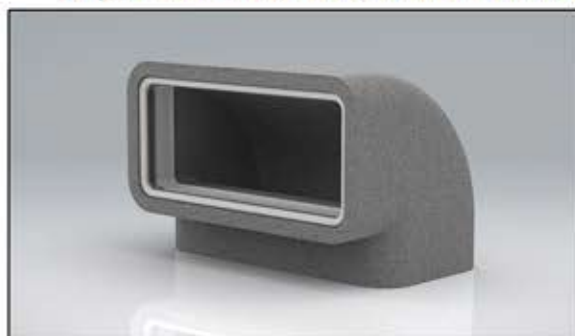


# PRODUCT DATA SHEET

## SST-220-90VB-IND

Rapid Self-Seal Thermal 220x90mm 90° Vertical Bend



MANUFACTURER:	VERPLAS LTD
PART NUMBER:	SST-220-90VB-IND
SIZE:	220x90mm
FOR USE WITH:	VERPLAS THERMAL 220
BOX QUANTITY:	6
INDIVIDUAL WEIGHT:	240g
COLOUR	Grey
MIN OPERATING TEMP	-15°C
MAX OPERATING TEMP	+60°C
THERMAL RESISTANCE	0.666 m <sup>2</sup> K/W
THERMAL CONDUCTIVITY	0.03 W/mK

### SPECIFICATION DETAILS

The Verplas Self-Seal Thermal SST-220-90VB-IND insulated fitting is manufactured from graphite impregnated expanded polystyrene (EPS) with a minimum density of 25kg/m<sup>3</sup> and provides a free area of 19,752 mm<sup>2</sup>. The SST-220-90VB-IND is supplied with self-seal female couplings that allow the ducting fitted with a Duct to Fitting Connector to be plugged into the fitting apertures with a push, click and lock mechanism. The Self-Seal female couplings are manufactured from prime High Impact Polystyrene and a Thermoplastic Elastomer Dynamic Sealing Gasket.

The EPS material is fully tested to meet the thermal conductivity requirements of BASF-EN13163 to assist with the prevention of condensation and is flame retardant to DIN 4102-B1.

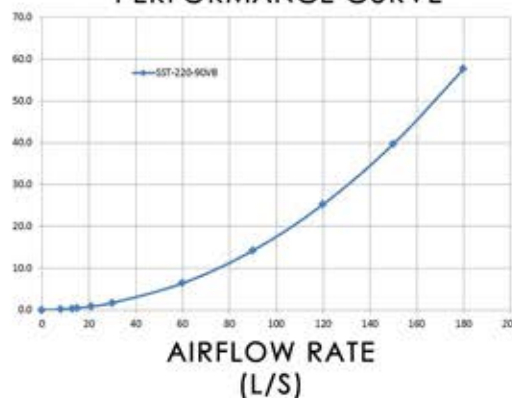
The patented, click and lock mechanism provides a low leakage solution which exceeds the requirements set out in DW/143 Class A leakage test and DW/154 ductwork standards.

The Self-Seal Thermal is compliant with the requirements outlined in the Energy performance characteristics database for use in SAP with MVHR and MEV supply and extract ventilation systems.

AIRFLOW	RESISTANCE
8 l/s	0.10 pa
13 l/s	0.40 pa
21 l/s	0.90 pa
30 l/s	1.70 pa
60 l/s	6.40 pa
120 l/s	25.30 pa

### PERFORMANCE CURVE

Pressure Loss  
Pascals  
(Pa)



### Associated Ancillaries

SST-220-2M-IND 220x90mm Rapid Self-Seal Thermal 2m Flat Channel  
 SST-220-45VB-IND 220x90mm Rapid Self-Seal Thermal 45° Vertical Bend  
 SST-220-45HB-IND 220x90mm Rapid Self-Seal Thermal 45° Horizontal Bend



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