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ELSTEIN

IRE- 070.34E



BSI CONSTRUCTION PANEL STAINLESS STEEL

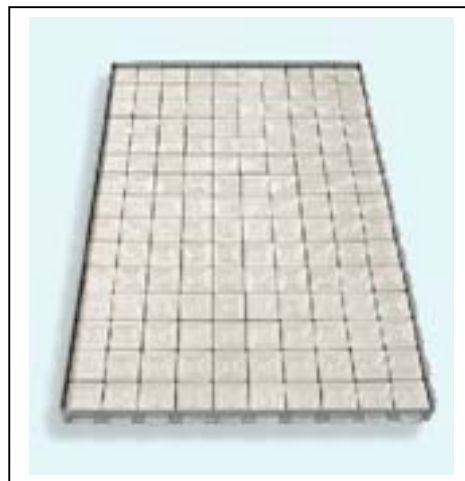
Elstein BSI construction panels are infrared radiation areas, which can be equipped with the ceramic IR panel radiators HTS or HSR.

The ceramic infrared panel radiators are fixed to the MBO mounting sheets and surrounded with a housing of frame and capping sections.

All housing parts consist of stainless steel so that radiators with high power can be used, too.

The BSI construction panels are factory assembled so that the user only has to do the wiring, insert the BSI panel in a steel section frame to be made on site and connect the panel with the electricity mains.

Elstein BSI construction panels can be fitted with HTS radiators up to 800 W or rather with HSR radiators up to 1000 W and are suited for building infrared heating areas in any dimensions.



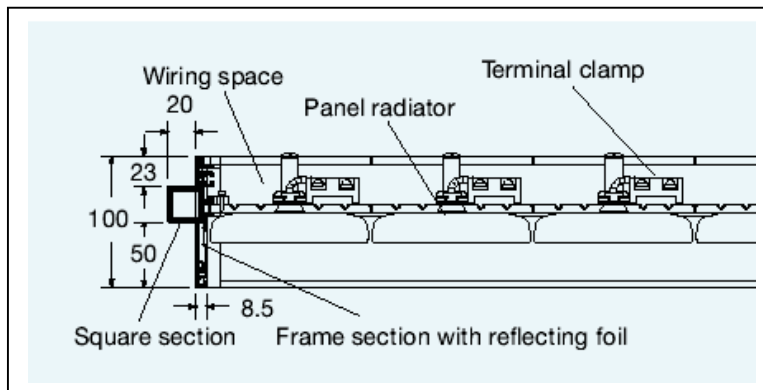
OVERVIEW OF STANDARD DIMENSIONS

Inner d. (outer d.) n° of rad	250 (263) 2	375 (388) 3	500 (513) 4	625 (638) 5	750 (763) 6	875 (888) 7	1000 (1013) 8	1125 (1138) 9	1250 (1263) 10	1375 (1388) 11	1500 (1513) 12		Radiator W
125 (138) 1	0,50 a 2,00	0,75 a 3,00	1,00 a 4,00	1,25 a 5,00	1,50 a 6,00	1,75 a 7,00	2,00 a 8,00	2,25 a 9,00	2,50 a 10,00	2,75 a 11,00	3,00 a 12,00	kW	250W a 1000W
250 (263) 2	1,00 a 4,00	1,50 a 6,00	2,00 a 8,00	2,50 a 10,00	3,00 a 12,00	3,50 a 14,00	4,00 a 16,00	4,50 a 18,00	5,00 a 20,00	5,50 a 22,00	6,00 a 24,00	kW	250W a 1000W
375 (388) 3	1,50 a 6,00	2,25 a 9,00	3,00 a 12,00	3,75 a 15,00	4,50 a 18,00	5,25 a 21,00	6,00 a 24,00	6,75 a 27,00	7,50 a 30,00	8,25 a 33,00	9,00 a 36,00	kW	250W a 1000W
500 (511) 4	2,00 a 8,00	3,00 a 12,00	4,00 a 16,00	5,00 a 20,00	6,00 a 24,00	7,00 a 28,00	8,00 a 32,00	9,00 a 36,00	10,00 a 40,00	11,00 a 44,00	12,00 a 48,00	kW	250W a 1000W
625 (632) 5	2,50 a 10,00	3,75 a 15,00	5,00 a 20,00	6,25 a 25,00	7,50 a 30,00	8,75 a 35,00	10,00 a 40,00	11,25 a 45,00	12,50 a 50,00	13,75 a 55,00	15,00 a 60,00	kW	250W a 1000W
750 (763) 6	3,00 a 12,00	4,50 a 18,00	6,00 a 24,00	7,50 a 30,00	9,00 a 36,00	10,50 a 42,00	12,00 a 48,00	13,50 a 54,00	15,00 a 60,00	16,50 a 66,00	18,00 a 72,00	kW	250W a 1000W
875 (888) 7	3,50 a 14,00	5,25 a 21,00	7,00 a 28,00	8,75 a 35,00	10,50 a 42,00	12,25 a 49,00	14,00 a 56,00	15,75 a 63,00	17,50 a 70,00	19,25 a 77,00	21,00 a 84,00	kW	250W a 1000W
1000 (1014) 8	4,00 a 16,00	6,00 a 24,00	8,00 a 32,00	10,00 a 40,00	12,00 a 48,00	14,00 a 56,00	16,00 a 64,00	18,00 a 72,00	20,00 a 80,00	22,00 a 88,00	24,00 a 96,00	kW	250W a 1000W

Maximum surface rating 64,00 kW/m²

P Weigh approx 50 kg/m²

Other dimensions available on request



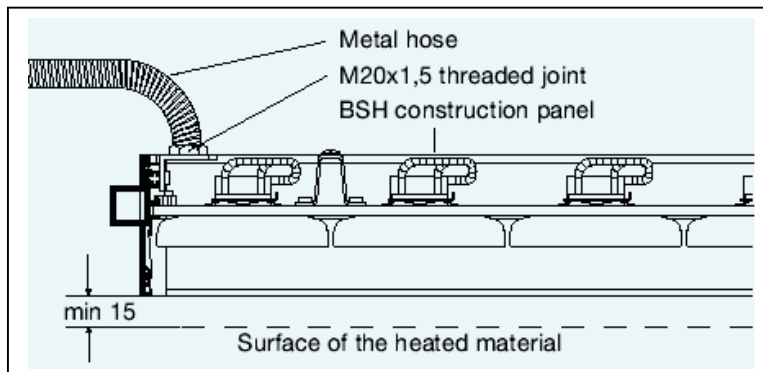
Standard scope of delivery
(variants available on request)

Ceramic infrared radiators HTS and T-HTS or HSR and T-HSR, fitted

Radiators can be chosen from the radiator power ratings 250 W, 400 W and 600 W. Mixed radiator wattages can also be fitted. One radiator with integrated thermocouple (T-HTS or T-HSR respectively) is provided for each construction panel.

Extruded AL-frame sections with AL-square section and capping sections made from stainless steel, fitted

These components are used to surround the ceramic infrared radiators fixed to the MBO mounting sheets. The square section with a side upstand enables the BSH construction panels to be hung into a steel section frame to be built on site.



AK bipolar terminal clamps, fitted and connected with radiator power leads

For the electrical wiring of the individual radiators in connection with heat resistant insulated nickel wires and connection of the thermocouple radiator with the heat resistant insulated thermo line.



Mounting units, enclosed, individual parts are not fitted

A mounting unit contains an angle section, up to 3 heat resistant flexible metal hoses 1m long as well as M20- and other screw fitting accessories. The hoses are used to hold the nickel wire and thermo line and to protect them from mechanical stress. The mounting units can be fixed to anywhere on the BSH frame section.



Wiring material (nickel wire, thermo line), enclosed

Nickel wire (2.5 mm², max. 500 °C, max. 11 A) is supplied for the electrical wiring of the ceramic infrared radiators. The thermo line (1 mm², max. 400 °C) is used to connect the thermocouple to the controller. The Elstein product range includes a compensating line (1 mm², max. 100 °C) for extending this connection outside the IR radiation area.