

# POLAR-100 partitioning system

## Structural / Mechanical Performance Summary



### Structural Performance

The following information is a summary of tests carried out in accordance with BS 5234 for the measurements for strength and robustness including crowd pressure and door slam

Construction / Combination	Partition Construction Height (mm)	Performance	Performance Summary
<b>SINGLE GLAZED</b>			
Single Glazed - 10mm Toughened - dry joint	2700	Heavy <sup>(2)</sup>	-
Single Glazed - 12mm Toughened - dry joint	3000	Severe <sup>(2)</sup>	-
Single Glazed - 12mm Komfort intumescent fire glass - dry joint	2700	Heavy <sup>(2)</sup>	-
<b>DOUBLE GLAZED</b>			
Double Glazed - 6mm Toughened / 10mm Toughened, dry joint & ghost post	3000	Severe <sup>(2)</sup>	-
Double Glazed - 12.8mm Laminate / 10mm Toughened, dry joint & ghost post	3000	Severe <sup>(2)</sup>	-
Double Glazed - 12mm Komfort Intum. / 10mm Toughened, dry joint without ghost post	2700	Heavy	-
<b>PolarTec-100</b> Dado Double Glazed 12.8mm Laminate / 10mm Toughened, dry joint without ghost post	3000	Severe	<b>PO-100 / STR1</b>

❖ PolarTec-100 deflection head is also available with a plus 0 minus 25 or plus/minus 25mm.

The Performance Summary colour indicated the following:

■ = Data issued    ■ = Data available, to be issued    ✖ = Data not available,

<sup>(1)</sup> Performance rating stated are estimated based on the difference between the system known results and other systems achieved tests results.

<sup>(2)</sup> Performance rating stated applies to test results applicable within the standard for fully glazed partition.

