

Wall Applications - Approved to EN 13501-2 / BS 476-22																
Thickness (mm)	Orientation	Fire Resistance Classification	Integrity / Insulation	Max. Span (m)	Kingspan Reference	Fixing Size	Fixing Centres (mm)	Fixing Sides	Sealant Type / Ref	Panel Joint Tape	Panel Joint Tape Size	Egde Point After Installation	Sealant Size	Sealant Location	Coatings Internal Face	Coatings External Face
100-220	Vertical	N/A	128 / 30	3*	KS1100CS QuadCore® / 100-220 / 30-30	SFS SXW 5.5 x 42mm (L)	250	Both Sides	Dow Corning 700 Firestop	N/A	N/A	N/A	5mmØ bead	In both female joints	CS15, CS25, CS55, CS120, AQUAsafe 55	Spectrum, XL Forte, CS15, CS25, CS55, CS120, AQUAsafe 55
100-220	Vertical	EI30	45 / 39	4*	KS600-1100CS QuadCore® / 100-220 / 30-30	5.5mm Ø x 96, 121, 146, 171, 196 or 216mm (L) to suit 100, 125, 150, 175, 200 and 220mm panel thicknesses respectively	250	Non-fire side	Dow Corning 700 Firestop	N/A	N/A	N/A	5mmØ bead	In both female joints	CS15, CS25, CS55, CS120, AQUAsafe 55	Spectrum, XL Forte, CS15, CS25, CS55, CS120, AQUAsafe 55
100-220	Horizontal	EI30	33 / 33	4*	KS600-1100CS QuadCore® / 100-220 / 30-30	N/A	N/A	N/A	Lorient intumescent sealant	Fire Protect FCL non-ceramic self adhered, site applied	2mm thick x 75, 100, 125, 150, 175 or 195mm to suit 100, 125, 150, 175, 200 and 220mm panel thicknesses respectively	Dow Corning 700 Firestop	5mmØ bead	In both female joints	CS15, CS25, CS55, CS120, AQUAsafe 55	Spectrum, XL Forte, CS15, CS25, CS55, CS120, AQUAsafe 55
125-220	Vertical	EI30	42 / 36	4*	KS600-1100CS QuadCore® / 125-220 / 30-30	N/A	N/A	N/A	Lorient intumescent sealant	N/A	N/A	Dow Corning 700 Firestop	5mmØ bead	In both female joints	CS15, CS25, CS55, CS120, AQUAsafe 55	Spectrum, XL Forte, CS15, CS25, CS55, CS120, AQUAsafe 55
150-220	Horizontal	E60 / EI45	77 / 53	4*	KS600-1100CS QuadCore® / 150-220 / 60-30	N/A	N/A	N/A	Lorient intumescent sealant	Fire Protect FCL non-ceramic self adhered, site applied	2mm thick x 125, 150, 175 or 195mm to suit 150, 175, 200 and 220mm panel thicknesses respectively	Dow Corning 700 Firestop	5mmØ bead	In both female joints	CS15, CS25, CS55, CS120, AQUAsafe 55	Spectrum, XL Forte, CS15, CS25, CS55, CS120, AQUAsafe 55
150-220	Horizontal	EI30	- / -	7.5*	KS600-1100CS QuadCore® / 150-220 / 30-30	N/A	N/A	N/A	Lorient intumescent sealant	Fire Protect FCL non-ceramic self adhered, site applied	2mm thick x 125, 150, 175 or 195mm to suit 150, 175, 200 and 220mm panel thicknesses respectively	Dow Corning 700 Firestop	5mmØ bead	In both female joints	CS15, CS25, CS55, CS120, AQUAsafe 55	Spectrum, XL Forte, CS15, CS25, CS55, CS120, AQUAsafe 55
175-220	Vertical	EI20 / EI60	211 / 65	4*	KS600-1100CS QuadCore® / 175-220 / 60-60	SFS BS 4.8mmØ x 170, 195 or 215mm to suit 175, 200 and 220mm panel thicknesses respectively	500	Non-fire side	Dow Corning 700 Firestop	N/A	N/A	N/A	5mmØ bead	In both female joints	CS15, CS25, CS55, CS120, AQUAsafe 55	Spectrum, XL Forte, CS15, CS25, CS55, CS120, AQUAsafe 55
175-220	Vertical	EI60	84 / 62	4*	KS600-1100CS QuadCore® / 175-220 / 60-60	SFS TW-S-D12 4.8mmØ x 38mm (L)	500	Fire side	Dow Corning 700 Firestop	N/A	N/A	N/A	5mmØ bead	In both female joints	CS15, CS25, CS55, CS120, AQUAsafe 55	Spectrum, XL Forte, CS15, CS25, CS55, CS120, AQUAsafe 55
175-220	Vertical	E60 / E30 / EI45 / EI30 / EI15	- / -	7.5*	KS600-1100CS QuadCore® / 175-220 / 60-30	SFS TW-S-D12 4.8mmØ x 38mm (L)	500	Fire side	Dow Corning 700 Firestop	N/A	N/A	N/A	5mmØ bead	In both female joints	CS15, CS25, CS55, CS120, AQUAsafe 55	Spectrum, XL Forte, CS15, CS25, CS55, CS120, AQUAsafe 55
175-220	Vertical	N/A	90 / 59	3*	KS600-1100CS QuadCore® / 175-220 (tested to EN 1364-1)	SFS TW-S-D12 4.8mmØ x 38mm (L)	500	Non-fire side	Nullifire FS703	N/A	N/A	N/A	5mmØ bead	In both female joints	CS15, CS25, CS55, CS120, AQUAsafe 55	Spectrum, XL Forte, CS15, CS25, CS55, CS120, AQUAsafe 55
SS 175-220	Vertical	E90 / EI60	104 / 61	4*	KS600-1100CS QuadCore® / 175-220 / 60-60 / internal liner SS 0.5	SFS TW-S-D12 4.8mmØ x 38mm (L)	500	Fire side	Dow Corning 700 Firestop	N/A	N/A	N/A	5mmØ bead	In both female joints	Stainless Steel	Spectrum, XL Forte, CS15, CS25, CS55, CS120, AQUAsafe 55
SS 175-220	Vertical	E60 / E30 / EI45 / EI30 / EI15	- / -	7.5*	KS600-1100CS QuadCore® / 175-220 / 60-30 / internal liner SS 0.5	SFS TW-S-D12 4.8mmØ x 38mm (L)	500	Fire side	Dow Corning 700 Firestop	N/A	N/A	N/A	5mmØ bead	In both female joints	Stainless steel	Spectrum, XL Forte, CS15, CS25, CS55, CS120, AQUAsafe 55
220	Vertical	EI20 / EI90	128 / 94	4*	KS600-1200CS QuadCore® / 220 / 90-90	SFS TW-S-D12 4.8mmØ x 38mm (L)	250	Both sides	Dow Corning 700 Firestop	CS 1 edge seal tape site applied	N/A	N/A	5mmØ bead	In both female joints	CS15, CS25, CS55, CS120, AQUAsafe 55	Spectrum, XL Forte, CS15, CS25, CS55, CS120, AQUAsafe 55
220	Vertical	E90 / E60 / E30 / EI60 / EI45 / EI30 / EI15	- / -	7.5*	KS600-1200CS QuadCore® / 220 / 90-60	SFS TW-S-D12 4.8 mmØ x 38 mm (L)	250	Both sides	Dow Corning 700 Firestop	CS 1 edge seal tape site applied	N/A	N/A	5mmØ bead	In both female joints	CS15, CS25, CS55, CS120, AQUAsafe 55	Spectrum, XL Forte, CS15, CS25, CS55, CS120, AQUAsafe 55

* Where wall panel lengths exceed the maximum allowable span an intermediate support is required.The secondary support system must be a ‘Fire Wall’ system, specification to be sought from steelwork supplier.
Each panel to be fixed to each support using not less than three fasteners located at equal centres through the panel.

Internal Ceiling Applications - Approved to EN 13501-2 / BS 476-22															
Thickness (mm)	Fire Resistance Classification	Integrity / Insulation	Max. Span (m)	Kingspan Reference	Fixing Size	Fixing Centres (mm)	Fixing Sides	Sealant Type / Ref	Panel Joint Tape	Panel Joint Tape Size	Egde Point After Installation	Sealant Size	Sealant Location	Coatings Internal Face	Coatings External Face
100-220	n/a	48 / 35	4*	KS1100CS / 100-220 / 30-30	SFS SXW -L12 5.5 x 42mm (5.5mmØ x 45mm (L))	250	Both sides	Dow Corning 700 Firestop	N/A	N/A	N/A	5mmØ bead	In both female joints	CS15, CS25, CS55, CS120, AQUAsafe 55	CS15, CS25, CS55, CS120, AQUAsafe 55
125-220	n/a	57 / 49	3*	KS1100CS / 125-220 / 30-30	SFS BS - 4.8mmØ x 120, 145, 170, 195 or 215mm to suit 125, 150, 175, 200 and 220mm panel thicknesses respectively	250	Top side of the ceiling	Dow Corning 700 Firestop	N/A	N/A	N/A	5mmØ bead	In both female joints	CS15, CS25, CS55, CS120, AQUAsafe 55	CS15, CS25, CS55, CS120, AQUAsafe 55
175-220	EI60	95 / 65	4.4*	KS600-1100CS / 175-220 / 60-60	SFS SXW -L12 5.5 x 42mm	250	Both sides	Dow Corning 700 Firestop	N/A	N/A	N/A	5mmØ bead	In both female joints	CS15, CS25, CS55, CS120, AQUAsafe 55	CS15, CS25, CS55, CS120, AQUAsafe 55

* Where ceiling panel lengths exceed the maximum allowable span an intermediate support is required.