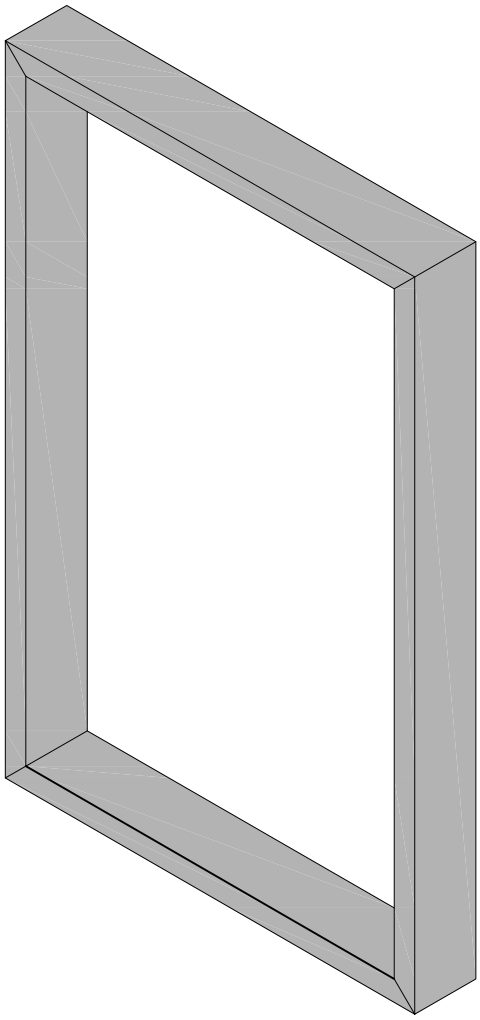
Facade Shroud Design Guidance

To determine the correct fixing brackets to use and their centres please follow the following three steps,

1) Select the substrate/cladding type you want to fix to

Description	Drw No.
Timber with flat sheet cladding	FS.2.2
Timber with weatherboard cladding	FS.2.3
Direct to concrete	FS.2.4
Concrete with brick veneer	FS.2.5
Timber with brick veneer	FS.2.6



2) Select the shroud size you want to use

150mm x 40mm
150mm x 50mm
200mm x 50mm
250mm x 50mm
300mm x 50mm

3) Select the correct wind zone that the building is located in

Low (32m/s)
Medium (37m/s)
High (44m/s)
Very High (50m/s)
Extra High (55m/s)

4) Maximum centres can now be determined by cross referencing shroud size vs. wind zone on the table of the appropriate subtrate/cladding drawing. The correct bracket size will also be detailed there. Please ensure to position one bracket per corner and wherever possible use side (vertical) brackets as they are preferred for waterproofing.

EXAMPLE

If you required a 200mm x 50mm louvre fitted direct to concrete in high wind zone, you would be referring to drawing FS.2.4. (Please ensure you use the correct drawing - not this example as they vary by substrate/cladding). The correct bracket listed is WS-B4 and maximum bracket centres can now be found by cross referencing shroud size vs. wind zone. In this example max ctrs = 2.0m

		Window Shroud section sizes				
		150mm x 40mm	150mm x 50mm	200mm x 50mm	250mm x 50mm	300mm x 50mm
Wind Zones	Low (32m/s)	2.0m	2.0m	2.0m	2.0m	2.0m
	Medium (37m/s)	2.0m	2.0m	2.0m	2.0m	2.0m
	High (44m/s)	2.0m	2.0m	2.0m	1.8m	1.8m
	Very High (50m/s)	1.8m	1.8m	1.8m	1.5m	1.5m
	Extra High (55m/s)	1.5m	1.5m	1.5m	1.2m	1.2m
Maximum bracket ctrs						