

## GUIDE DIMENSION TABLE - MACFOX BRACKETS AND UNI-CARRIER ASSEMBLIES

Isolation	Bracket	Uni-Carrier	Timber	Adjustment	Cladding zone excluding facade		Facade Thickness / Description	Cladding zone including facade	
Thermal Isolator Pad Thickness	Macfox Bracket Length	Uni-Carrier Base depth	Timber Batten Depth (Average 38mm <b>Minimum 30mm</b> )	Outward Adjustment Uni carrier within Bracket	<b>Assuming 38mm depth timber batten</b> the Cladding Zone depth from substrate to <b>front</b> face of timber batten will be adjustable from / to		Example 22mm Western Red Cedar	<b>Assuming 38mm depth batten</b> Add Façade thickness <b>Example 22mm</b> Western Red Cedar Substrate to Cladding Exterior will be adjustable from / to	
EXAMPLE FAÇADE - 22mm <b>HORIZONTAL</b> W RED CEDAR 38mm TIMBER BATTEN					From Minimum	To Maximum		From Minimum	To Maximum
5 mm	<b>60 mm</b>	5 mm	38 mm	35 mm	108 mm	143 mm	22 mm	<b>130 mm</b>	<b>165 mm</b>
5 mm	<b>90 mm</b>	5 mm	38 mm	35 mm	138 mm	173 mm	22 mm	<b>160 mm</b>	<b>195 mm</b>
5 mm	<b>120 mm</b>	5 mm	38 mm	35 mm	168 mm	203 mm	22 mm	<b>190 mm</b>	<b>225 mm</b>
5 mm	<b>150 mm</b>	5 mm	38 mm	35 mm	198 mm	233 mm	22 mm	<b>220 mm</b>	<b>255 mm</b>
5 mm	<b>180 mm</b>	5 mm	38 mm	35 mm	228 mm	263 mm	22 mm	<b>250 mm</b>	<b>285 mm</b>
5 mm	<b>210 mm</b>	5 mm	38 mm	35 mm	258 mm	293 mm	22 mm	<b>280 mm</b>	<b>315 mm</b>
5 mm	<b>240 mm</b>	5 mm	38 mm	35 mm	288 mm	323 mm	22 mm	<b>310 mm</b>	<b>345 mm</b>

Note: The above table is a dimension guide based on cladding boarding running horizontally - If cladding boards run vertically an allowance for a horizontal counter batten must be made i.e. Add a 38mm counter batten for 22mm thickness vertical W Red Cedar boarding and dimensions change as follows:

EXAMPLE FAÇADE - 22mm <b>VERTICAL</b> W RED CEDAR 2 x 38mm TIMBER BATTENS					From Minimum	To Maximum		From Minimum	To Maximum
5 mm	<b>60 mm</b>	5 mm	76 mm	35 mm	146 mm	181 mm	22 mm	<b>168 mm</b>	<b>203 mm</b>
5 mm	<b>90 mm</b>	5 mm	76 mm	35 mm	176 mm	211 mm	22 mm	<b>198 mm</b>	<b>233 mm</b>
5 mm	<b>120 mm</b>	5 mm	76 mm	35 mm	206 mm	241 mm	22 mm	<b>228 mm</b>	<b>263 mm</b>
5 mm	<b>150 mm</b>	5 mm	76 mm	35 mm	236 mm	271 mm	22 mm	<b>258 mm</b>	<b>293 mm</b>
5 mm	<b>180 mm</b>	5 mm	76 mm	35 mm	266 mm	301 mm	22 mm	<b>288 mm</b>	<b>323 mm</b>
5 mm	<b>210 mm</b>	5 mm	76 mm	35 mm	296 mm	331 mm	22 mm	<b>318 mm</b>	<b>353 mm</b>
5 mm	<b>240 mm</b>	5 mm	76 mm	35 mm	326 mm	361 mm	22 mm	<b>348 mm</b>	<b>383 mm</b>

Notes - Uni-Carriers are available in the following widths **50mm 60mm 80mm 100mm** - To accept corresponding width timber battens  
 Uni Carriers are available in **Medium 80mm** and **Large 160mm heights** to match corresponding **Medium ('M')** and **Large ('L')** MacFox Brackets  
 Uni Carriers are designed to be used in the vertical plane only hence there is a necessity to counter batten if cladding boarding is to run horizontally  
 MacFox brackets are pre punched with **11 x 22mm holes** for assembly to **masonry** substrates - Typically **1No Primary fixing per 'M' & 2No Per 'L' Bracket**  
 MacFox brackets are pre punched with **6.5 x 22mm holes** for assembly to **steel frame or timber substrates** - Typically **2No Primary fixings per 'M' & 2No Per 'L' Bracket**  
 Uni-Carrier 'M's are assembled to MacFox 'M' brackets with **2No SR2 4.2 x 16** Stainless steel self drilling / self tapping fixing screws.  
 Uni-Carrier 'L's are assembled to MacFox 'L' brackets with **4No SR2 4.2 x 16** stainless steel self drilling / self tapping fixing screws.  
 Timber battens are **assembled to Medium Uni-Carriers** with **4No SR2 4.8 x 25** stainless steel screws.  
 Timber battens are **assembled to Large Uni-Carriers** with **8No SR2 4.8 x 25** stainless steel screws.

As an indicative guide when budget costing allow for **1No Large bracket and Large Uni-carrier** at mid position (1.5Mtrs) per storey height (3Mtr) batten and **2No Medium brackets and Medium Uni-carrier assemblies** per batten (typically within 300mm of ends of batten).  
 At high wind suction areas of the building (1.2 - 1.8 Metres from building corners) allow 50% more components.

Actual components setting out will be determined by Project Specific static calculation - Please visit [www.eurofoxengineering.com](http://www.eurofoxengineering.com) click **ONLINE PROJECT CHECKLIST**