

# Rainscreen DUO SLAB®

## Fastener Application Guide

RAINSCREEN DUO SLAB is designed for use within ventilated cladding systems, as well as sealed systems such as curtain walling. The EJOT Rainscreen fastener range has been developed and tested to provide efficient installation and mechanical durability, gaining approval to work seamlessly with ROCKWOOL insulation.



### Perimeter and Centre Fixing Definition



#### Perimeter Fixing

Refers to the perimeter of the DUO SLAB insulation block. For perimeter fixing use the recommended combination of an EJOT plastic washer with the suitable anchor/fastener shown in the tables overleaf.



#### Centre Fixing



Refers to the centre of each individual DUO SLAB insulation block. For centre fixing use the recommended combination of EJOT stainless steel fixings shown in the tables overleaf.

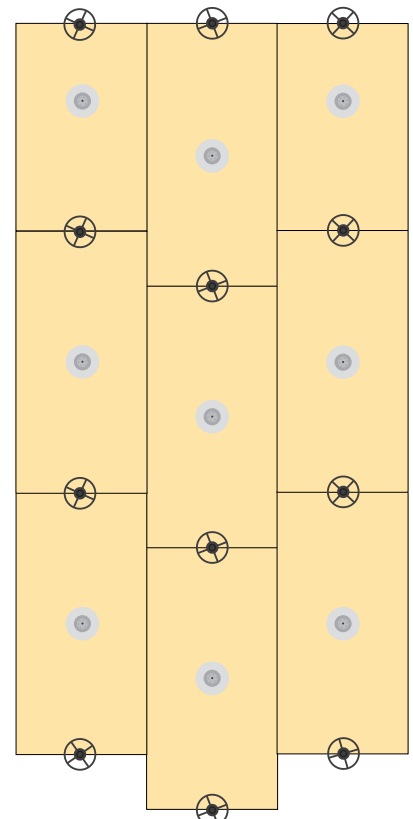
Typical fixing pattern shown with 3 fixings per square metre. The adequacy of this fixing pattern for specific installations must be verified by a suitably experienced and qualified individual. Additional fixings may be required if the insulation is exposed for longer periods prior to the installation of the façade, or where a perforated façade transmits wind loading onto the insulation.

**Note - fasteners fixing into the sheathing board:** Performance will be dependent upon the nature and type of board. Some boards are not suitable for supporting a threaded fastener and therefore the fasteners may need to be installed into the supporting stud and not solely into the sheathing board. Check suitability with the Board Manufacturer.







#### KEY

-  Centre (stainless steel)
-  Perimeter (high grade plastic)





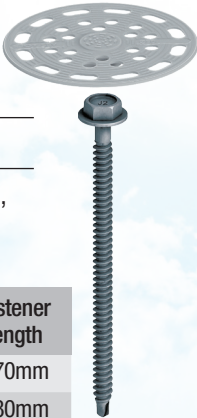
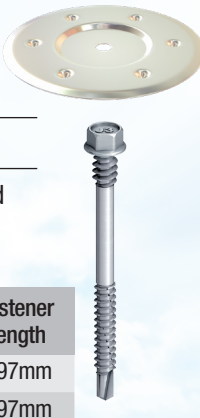
## Fixing Specifications to Concrete, Brick and Block

Perimeter Fix				Centre Fix			
Hammer Set 				Hammer Set 			
<b>DH2 Two part insulation anchor, high grade plastic washer/shaft combination</b> Anchor: DH 8mm x Shaft Length Washer: DH 90mm Disc Embedment: 30mm with 8mm pilot hole				<b>DMH 8/35 Anchor / DMT Washer Stainless Steel fixing combination</b> Anchor: DMH 8mm x Length (E) Washer: DMT 80 (E) Embedment: 40-80mm with 8mm pilot hole			
							
Insulation Thickness	Shaft Length	Insulation Thickness	Shaft Length	Insulation Thickness	Anchor Length	Insulation Thickness	Anchor Length
50mm	60mm	140mm	140mm	50mm	110mm	140mm	200mm
60mm	60mm	150mm	160mm	60mm	110mm	150mm	200mm
75mm	80mm	160mm	160mm	75mm	140mm	160mm	250mm
90mm	100mm	170mm	180mm	90mm	140mm	170mm	250mm
100mm	100mm	180mm	180mm	100mm	170mm	180mm	250mm
105mm	120mm	190mm	200mm	105mm	170mm	190mm	250mm
110mm	120mm	200mm	200mm	110mm	170mm	200mm	250mm
120mm	120mm	220mm	220mm	120mm	170mm	220mm	300mm
125mm	140mm	225mm	240mm	125mm	200mm	225mm	300mm
130mm	140mm	300mm	300mm	130mm	200mm	300mm	*CET

Note: E = Stainless Steel \*Contact EJOT Technical

## Fixing Specifications to Steel studs from 1.2mm - 1.5mm via Sheathing Board

Check with EJOT Technical for sheathing board suitability and fastener performance/compatibility. Please note all fixing lengths below are calculated assuming a 12.0mm sheathing board is used in application. Please contact EJOT Technical where the sheathing board may a different thickness.

Perimeter Fix				Centre Fix			
(Hex Head) 8mm AF 				(Hex Head) 8mm AF 			
<b>Fastener / Plastic Washer fixing combination</b> Fastener: SW8-R 4.8mm x Length Washer: SBV-6.5/90 Embedment: Full thread engagement required, plus 20mm protrusion for sheathing board				<b>Fastener / Washer Stainless Steel fixing combination</b> Fastener: JT3-D6-H 5.5/6.3mm x Length Washer: DMT 85-7 (E) Embedment: Full thread engagement required			
							
Insulation Thickness	Fastener Length	Insulation Thickness	Fastener Length	Insulation Thickness	Fastener Length	Insulation Thickness	Fastener Length
50mm	80mm	140mm	170mm	50mm	87mm	140mm	197mm
60mm	90mm	150mm	180mm	60mm	107mm	150mm	197mm
75mm	110mm	160mm	200mm	75mm	127mm	160mm	197mm
90mm	120mm	170mm	200mm	90mm	127mm	170mm	237mm
100mm	130mm	180mm	220mm	100mm	147mm	180mm	237mm
105mm	140mm	190mm	220mm	105mm	147mm	190mm	237mm
110mm	140mm	200mm	240mm	110mm	147mm	200mm	237mm
120mm	150mm	220mm	260mm	120mm	167mm	220mm	267mm
125mm	150mm	225mm	260mm	125mm	167mm	225mm	267mm
130mm	160mm	300mm	*CET	130mm	167mm	300mm	*CET

Note: E = Stainless Steel \*Contact EJOT Technical

## Fixing Specifications to Steel Stud 1.2mm - 6.0mm via Sheathing Board

Check with EJOT Technical for sheathing board suitability and fastener performance/compatibility. Please note all fixing lengths below are calculated assuming a 12.0mm sheathing board is used in application. Please contact EJOT Technical where the sheathing board may a different thickness.

Perimeter Fix (Hex Head) 8mm AF				Centre Fix (Hex Head) 8mm AF			
<b>Fastener / Plastic Washer fixing combination</b> Fastener: JT2-D6 5.5/6.3mm x Length Washer: SBV-6.5/90 Embedment: Full thread engagement required				<b>Fastener / Washer Stainless Steel fixing combination</b> Fastener: JT3-D6-H 5.5/6.3mm x Length Washer: DMT 85-7 (E) Embedment: Full thread engagement required			
<b>Insulation Thickness</b>	<b>Fastener Length</b>	<b>Insulation Thickness</b>	<b>Fastener Length</b>	<b>Insulation Thickness</b>	<b>Fastener Length</b>	<b>Insulation Thickness</b>	<b>Fastener Length</b>
50mm	82mm	140mm	172mm	50mm	87mm	140mm	197mm
60mm	102mm	150mm	192mm	60mm	107mm	150mm	197mm
75mm	122mm	160mm	192mm	75mm	127mm	160mm	197mm
90mm	122mm	170mm	*CET	90mm	127mm	170mm	237mm
100mm	135mm	180mm	232mm	100mm	147mm	180mm	237mm
105mm	135mm	190mm	232mm	105mm	147mm	190mm	237mm
110mm	152mm	200mm	232mm	110mm	147mm	200mm	237mm
120mm	152mm	220mm	262mm	120mm	167mm	220mm	267mm
125mm	172mm	225mm	262mm	125mm	167mm	225mm	267mm
130mm	172mm	300mm	*CET	130mm	167mm	300mm	*CET

Note: E = Stainless Steel \*Contact EJOT Technical

## Fixing Specifications to Timber and Timber SIP via Sheathing Board

Check with EJOT Technical for sheathing board suitability and fastener performance/compatibility. Please note all fixing lengths below are calculated assuming a 12.0mm sheathing board is used in application. Please contact EJOT Technical where the sheathing board may a different thickness.

Perimeter Fix (Hex Head) 8mm AF				Centre Fix (Hex Head) 8mm AF			
<b>Fastener / Plastic Washer fixing combination</b> Fastener: SW8-R 4.8mm x Length Washer: SBV-6.5/90 Embedment: Minimum embedment 40mm				<b>Fastener / Washer Stainless Steel fixing combination</b> Fastener: JT3-D6-H 5.5/6.3mm x Length Washer: DMT 85-7 (E) Embedment: Minimum embedment 40mm			
<b>Insulation Thickness</b>	<b>Fastener Length</b>	<b>Insulation Thickness</b>	<b>Fastener Length</b>	<b>Insulation Thickness</b>	<b>Fastener Length</b>	<b>Insulation Thickness</b>	<b>Fastener Length</b>
50mm	90mm	140mm	180mm	50mm	107mm	140mm	197mm
60mm	100mm	150mm	200mm	60mm	107mm	150mm	197mm
75mm	110mm	160mm	200mm	75mm	127mm	160mm	*CET
90mm	130mm	170mm	220mm	90mm	147mm	170mm	237mm
100mm	140mm	180mm	220mm	100mm	147mm	180mm	237mm
105mm	140mm	190mm	240mm	105mm	167mm	190mm	237mm
110mm	150mm	200mm	240mm	110mm	167mm	200mm	*CET
120mm	160mm	220mm	260mm	120mm	167mm	220mm	267mm
125mm	160mm	225mm	260mm	125mm	167mm	225mm	267mm
130mm	180mm	300mm	*CET	130mm	197mm	300mm	*CET

Note: E = Stainless Steel \*Contact EJOT Technical