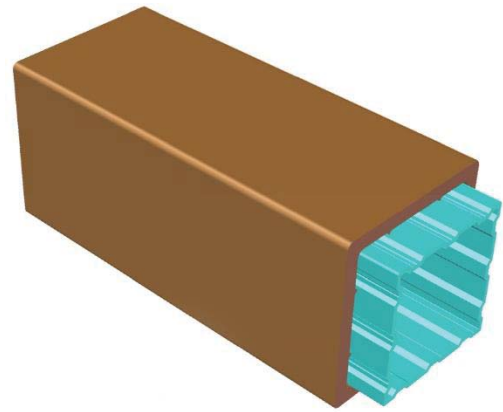
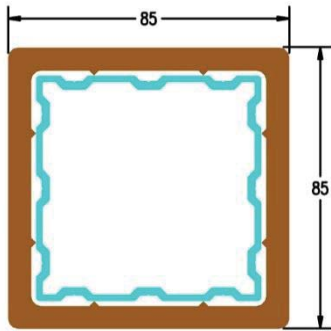




# TECNODECK ARCHITECTONIC PROFILES



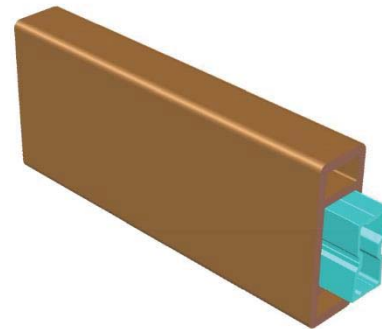
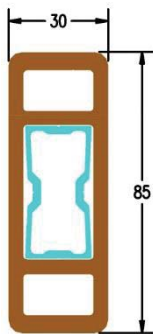
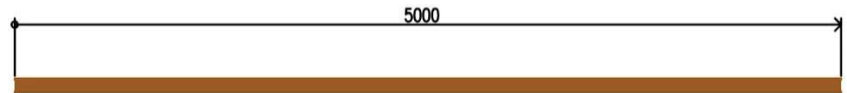


Density: 1,30 kg/dm<sup>3</sup>  
 Linear weight: 2,86 + 1,70 kg/ml (ALU)



- Up to 5 ml between supports

Check Table for deflection Values



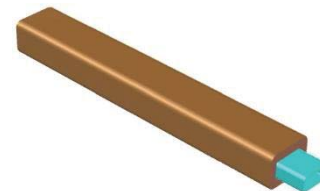
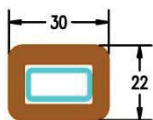
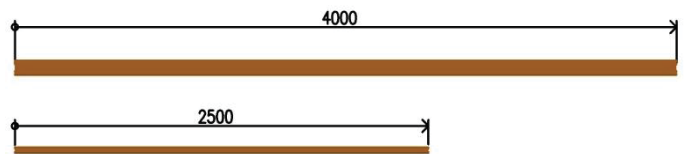
Density: 1,30 kg/dm<sup>3</sup>  
 Linear weight: 1,53 + 0,54 kg/ml (ALU)



- Up to 4 ml between supports



- Up to 2,5 ml between supports  
 Check Table for deflection Values



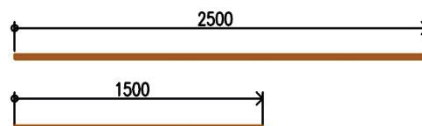
Density: 1,30 kg/dm<sup>3</sup>  
 Linear weight: 0,52 + 0,65 kg/ml (Fe)



- Up to 2,5 ml between supports

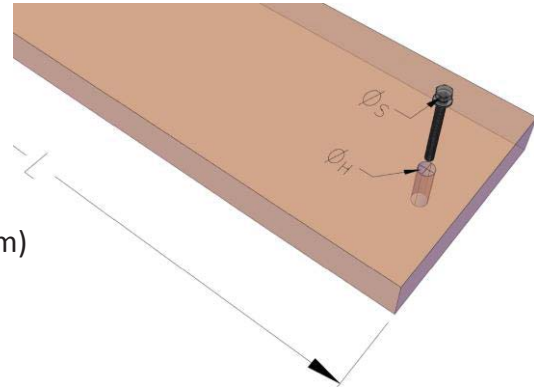


- Up to 1,5 ml between supports  
 Check Table for deflection Values



## Basic mounting rules

- . Tecnodeck profiles must always work together with metal reinforcement profiles.
- . The fixation of Tecnodeck profiles must be made to the metal reinforcement profiles and never to the composite profiles. All holes in WPC must be to pass and having a larger diameter than the screw hole that passes through it, so that the screw will never be a constraint for WPC. The composite hole diameter should be larger than the screw diameter at least 2mm/profile meter.
- The tightening of the screws at the composite should never crush the composite profile and must allow the free movement of the profile.

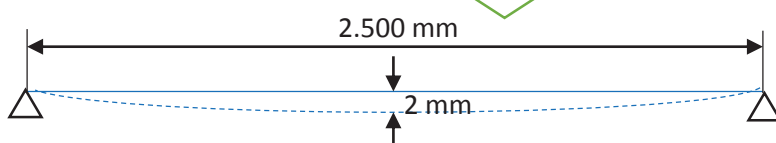


$$\phi_H \text{ (mm)} = 2 \times L \text{ (m)} + \phi_s \text{ (mm)}$$

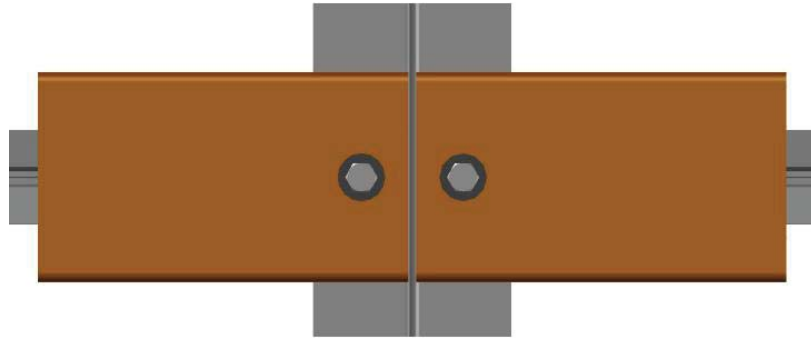
- . A distance between the top ends of a profile and rigid obstacles is required (between walls or similar) at the rate of 1mm / ml.
- . Please validate the fixations with Tecnodeck technical department.
- . Any type of assembly not specified, must be previously approved by Tecnodeck.
- . For quantities, bespoke profiles are possible under request.
- . Distances between supports:

Profile Position	L = 1,5M		L = 2M		L = 2,50m		L = 3m		L = 3,50m		L = 4m		L = 5m	
	DEFLECTION (mm)	L/f	DEFLECTION (mm)	L/f	DEFLECTION (mm)	L/f	DEFLECTION (mm)	L/f	DEFLECTION (mm)	L/f	DEFLECTION (mm)	L/f	DEFLECTION (mm)	L/f
WPC 85x85 + ALU 68 x 68	0,1	L/15.000	0,2	L/10.000	0,6	L/4.165	1	L/3.000	2	L/1.750	4	L/1.000	17	L/294
WPC 85x30 + ALU 38x20	0,1	L/15.000	0,2	L/10.000	0,6	L/4.165	1	L/3.000	2	L/1.750	4	L/1.000	17	L/294
WPC 85x30 + ALU 38x20	0,5	L/3000	1	L/2000	2	L/1250	5	L/600	9	L/390	15	L/265		
WPC 85x30 + ALU 38x20	1	L/1500	2	L/1000	4	L/625	8	L/375	15	L/235				
WPC 85x30 + ALU 38x20	2	L/750	4	L/500	10	L/250								
WPC 30x22 + ST 20x10x1	2	L/750	3	L/665	8	L/300								
WPC 30x22 + ST 20x10x1	3	L/500	5	L/400	11	L/230								
WPC 30x22 + ST 20x10x1	4	L/375	8	L/250										

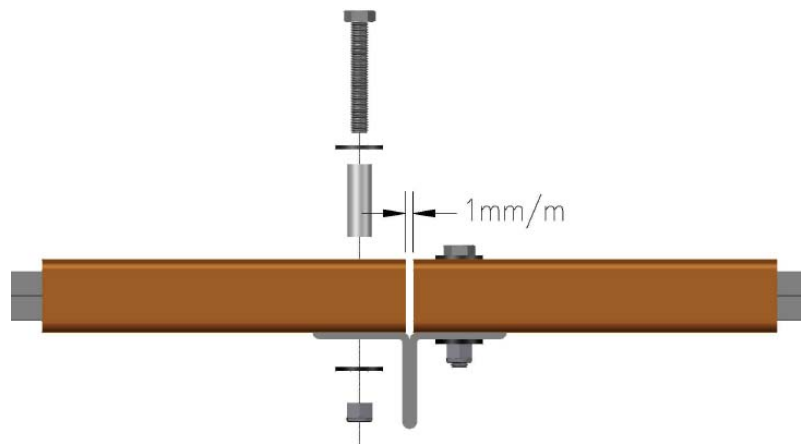
$$L/f = 2.500/1.250 = 2\text{mm}$$



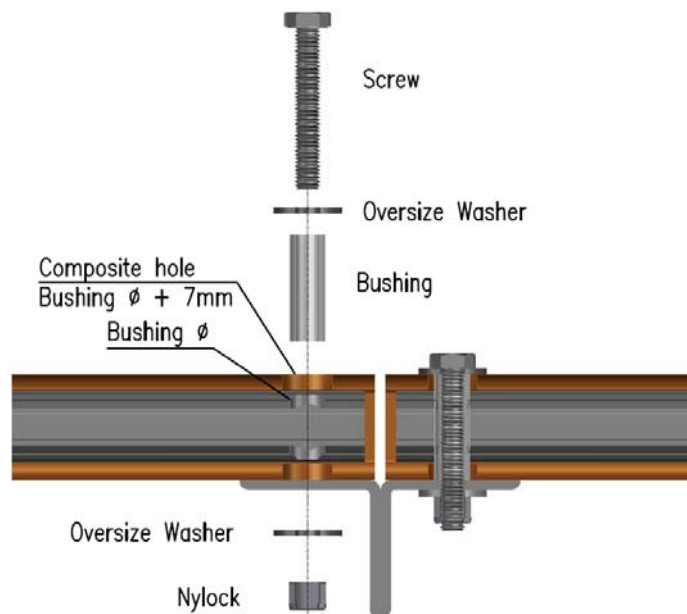
When fixing with screws profiles:



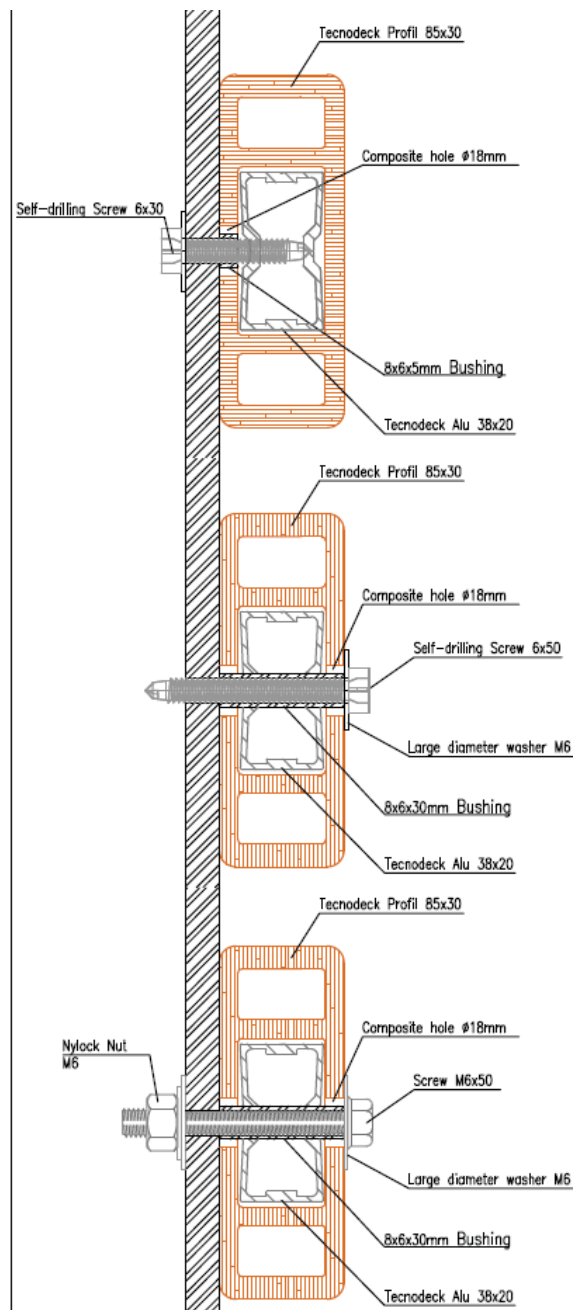
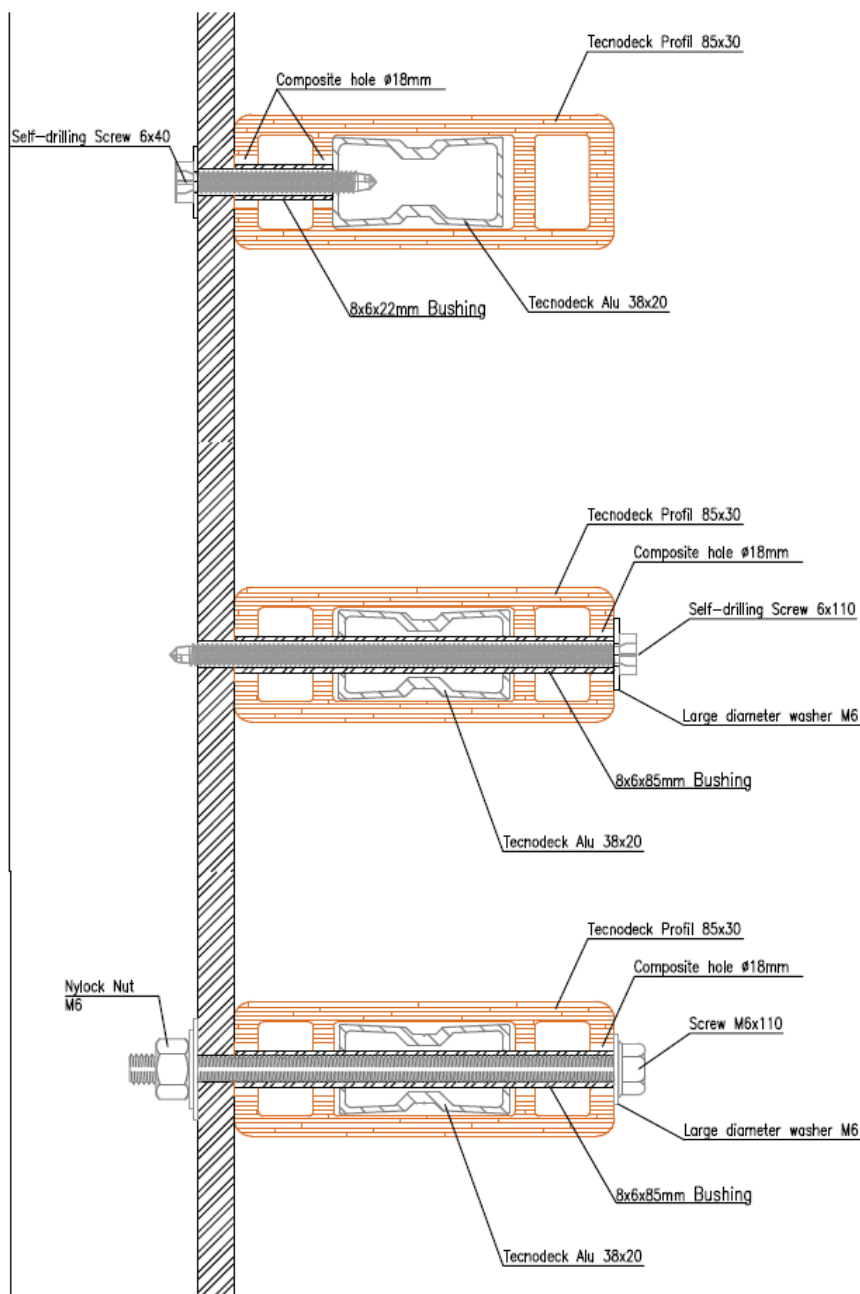
- Inner structural profile;
- Needs a 1mm/m gape between top profiles;



- Use a inner bushing to prevent smashing wpc profile;
- Protect the wpc with oversize washers



- Consider wpc hole diameter at least 7mm more than bushing outside diameter;
  - Structural profile hole diameter equal to bushing outside diameter.
  - All these parameters must be considered in any WPC profile, such as 85x85, 85x30 and 30x22.
- 
- Some different examples:



- If in any doubt, please contact TECNODECK.



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