Easy Frame Design wand en plafond

Starting points:

Utilisation class	B (suitable for housing and offices)
Design duration class	3 (50 year)
Impact class	CC2 (Medium impact)
Reliability class	RC2 (Standard safety)
Wind area	II (Netherland)
Terrain category	Undeveloped
Wind pressure q_p	1,02 (Height 17 m)
Building factor (c_s c_d)	1
Slenderness ratio (h/d)	<= 1,0 (h/d = 0,2)
Correlation factor façade wind pressure	0,85
Pressure coefficient $_{Cpi}$ (under/over pressure)	0,2 / -0,3
Wall deformation requirement	1/250 x h
Note: 1 basis is indoor application $_{Cpi}$	0,3

N.B. North Holland, coastal area and Wadden Islands are wind area I and must therefore be checked. Buildings with a height above 17 m must also be checked, in these cases please contact Easy Housing

Easy Frame Wall with double-sided cladding (max. 30 kg/m2 per side)

	Option 1		Option 2		Option 3	
Height wall	**Centre- to-centre distance**	**Profile**	**Centre- to-centre distance**	**Profile**	**Centre- to-centre distance**	**Profile**
[m]	[mm]		[mm]		[mm]	
5,0	600	**EFS-C-100-50-15-1,0**	400	**EFS-C-100-50-15-1,0**	300	**EFS-C-100-50-15-1,0**
5,5	600		400		300	
6,0	600	**EFS-C-150-50-15-1,0**	400		300	
6,5	600		400	**EFS-C-150-50-15-1,0**	300	
7,0	600		400		300	
7,5	600		400		300	**EFS-C-150-50-15-1,0**
8,0	600	**EFS-C-200-50-15-1,0**	400		300	
8,5	600		400	**EFS-C-200-50-15-1,0**	300	
9,0	600		400		300	
9,5	600	**EFS-C-200-50-15-1,5**	400		300	**EFS-C-200-50-15-1,0**
10,0	600		400		300	
10,5	600	**EFS-C-250-50-15-1,5**	400	**EFS-C-200-50-15-1,5**	300	
11,0	600		400		300	
11,5	600		400		300	**EFS-C-200-50-15-1,5**
12,0	600		400	**EFS-C-250-50-15-1,5**	300	
12,5	600	**EFS-C-250-50-15-2,0**	400		300	
13,0	600		400		300	**EFS-C-250-50-15-1,5**
13,5	600	**EFS-C-300-50-15-2,0**	400		300	
14,0	600		400	**EFS-C-250-50-15-2,0**	300	
14,5	600		400		300	
15,0	600		400	**EFS-C-300-50-15-2,0**	300	**EFS-C-250-50-15-2,0**
15,5	600	**EFS-C-300-50-15-2,5**	400		300	
16,0	600		400		300	
16,5		Choose other C.T.C.	400		300	**EFS-C-300-50-15-2,0**
17,0		Choose other C.T.C.	400		300	

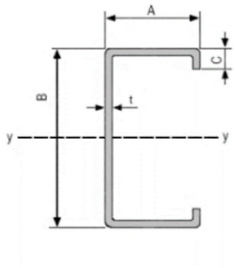
Adres: Zuiveringweg 8, 8243 PZ Lelystad, The Netherlands
Telefoon: +31 (0)320 216630
Email: info@easyhousing.eu · marco@easyhousing.eu
Website: www.easyhousing.eu Inschrijfnr. K.V.k.: 39087588

Easy Frame Wall with single-sided sheeting (max. 30 kg/m2)

	Option 1		Option 2		Option 3	
Wall height	**Centre- to-centre distance**	**Profile**	**Centre- to-Centre distance**	**Profile**	**Centre- to-centre distance**	**Profile**
[1m]	**[1mm]**		**[1mm]**		**[1mm]**	
5,0	600	**EFS-C-100-50-15-1,0**	400	**EFS-C-100-50-15-1,0**	300	**EFS-C-100-50-15-1,0**
5,5	600		400		300	
6,0	600	**EFS-C-150-50-15-1,0**	400		300	
6,5	600		400	**EFS-C-150-50-15-1,0**	300	
7,0	600		400		300	
7,5	600		400		300	**EFS-C-150-50-15-1,0**
8,0	600	**EFS-C-200-50-15-1,0**	400		300	
8,5	600		400	**EFS-C-200-50-15-1,0**	300	
9,0	600		400		300	
9,5	600	**EFS-C-200-50-15-1,5**	400		300	**EFS-C-200-50-15-1,0**
10,0	600		400		300	
10,5	600	**EFS-C-250-50-15-1,5**	400	**EFS-C-200-50-15-1,5**	300	
11,0	600		400		300	
11,5	600		400		300	**EFS-C-200-50-15-1,5**
12,0	600		400	**EFS-C-250-50-15-1,5**	300	
12,5	600	**EFS-C-250-50-15-2,0**	400		300	
13,0	600		400		300	**EFS-C-250-50-15-1,5**
13,5	600	**EFS-C-300-50-15-2,0**	400		300	
14,0	600		400	**EFS-C-250-50-15-2,0**	300	
14,5	600		400		300	
15,0	600		400	**EFS-C-300-50-15-2,0**	300	**EFS-C-250-50-15-2,0**
15,5	600	**EFS-C-300-50-15-2,5**	400		300	
16,0	600		400		300	
16,5		Choose other H.T.H.	400		300	**EFS-C-300-50-15-2,0**
17,0		Choose other H.T.H.	400		300	

Profile name: EFS-C-100-50-15-1,0

Height (B) 100mm
Width (A) 50mm
Lip (C) 15mm
Thickness (t) 1,0mm



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Website: www.easyhousing.eu Inschrijfnr. K.V.k.: 39087588

Easy Frame Clear span ceiling with single-skin cladding (10 kg/m2) without installations

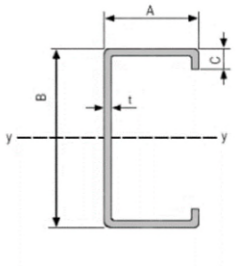
	Option 1		Option 2		Option 3	
ceiling span	Centre- to-centre distance	Profile	Centre- to-centre distance	Profile	Centre- to-Centre distance	Profile
[1m]	[1mm]		[1mm]		[1mm]	
4,0	600	EFS-C-100-50-15-1,0	400	EFS-C-100-50-15-1,0	300	EFS-C-100-50-15-1,0
4,5	600		400		300	
5,0	600	EFS-C-150-50-15-1,0	400		300	
5,5	600		400		300	
6,0	600		400	EFS-C-150-50-15-1,0	300	
6,5	600		400		300	EFS-C-150-50-15-1,0
7,0	600	EFS-C-200-50-15-1,0	400		300	
7,5	600		400		300	
8,0	600		400	EFS-C-200-50-15-1,0	300	
8,5	600	EFS-C-250-50-15-1,5	400		300	EFS-C-200-50-15-1,0
9,0	600		400		300	
9,5	600		400		300	
10,0	600		400	EFS-C-250-50-15-1,5	300	
10,5	600		400		300	
11,0	600		400		300	EFS-C-250-50-15-

Easy Frame Clear span ceiling with single-skin cladding (20 kg/m2) without installations

	Option 1		Option 2		Option 3	
ceiling span	Centre- to-centre distance	Profile	Centre- to-centre distance	Profile	Centre- to-centre distance	Profile
[1m]	[1mm]		[1mm]		[1mm]	
4,0	600	EFS-C-100-50-15-1,0	400	EFS-C-100-50-15-1,0	300	EFS-C-100-50-15-1,0
4,5	600	EFS-C-150-50-15-1,0	400		300	
5,0	600		400		300	
5,5	600		400	EFS-C-150-50-15-1,0	300	
6,0	600		400		300	EFS-C-150-50-15-1,0
6,5	600	EFS-C-200-50-15-1,0	400		300	
7,0	600		400		300	
7,5	600		400	EFS-C-200-50-15-1,0	300	
8,0	600	EFS-C-250-50-15-1,5	400		300	EFS-C-200-50-15-1,0
8,5	600		400		300	
9,0	600		400	EFS-C-250-50-15-1,5	300	
9,5	600		400		300	
10,0	600		400		300	EFS-C-250-50-15-1,5
10,5	600		400		300	
11,0	600	EFS-C-250-50-15-2,0	400		300	

Profile name: EFS-C-100-50-15-1,0

Height (B)	100mm
Width (A)	50mm
Lip (C)	15mm
Thickness (t)	1,0mm



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Website: www.easyhousing.eu Inschrijfnr. K.V.k.: 39087588