



# Edilprofil

STRUCTURAL FRETTED SEAM PANELLING  
COILS CUT SERVICE  
CATALOGUE ISSUE 2011



# Edilprofil s.n.c.

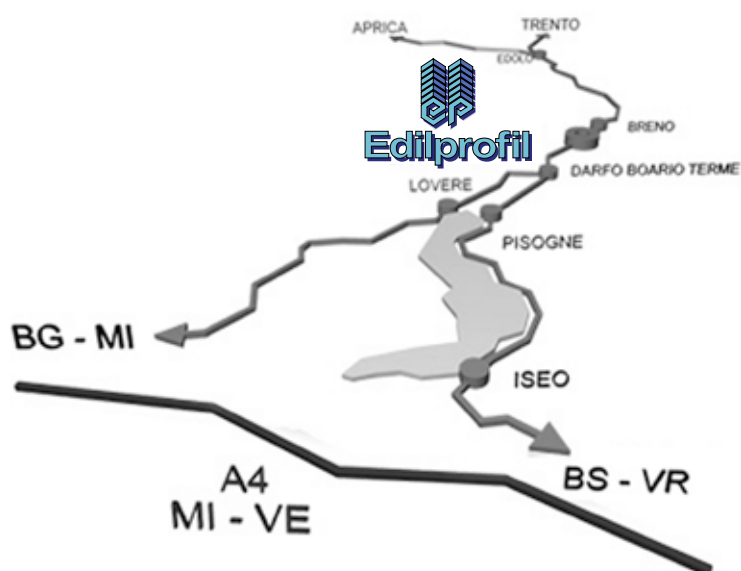
## catalogue structural fretted seam panellings for roofs and lofts

**issue 2011**

With an outstanding 30 years experience, Edilprofil s.n.c. is proposing as its best choice to product structural fretted seam panelling, coils cuts to length and other services for third parts. The company relies on an equipment counting 3 profiles for corrugating the coils.

In addition to that, the company provides the following services:

- sheets folding
- coils cuts to length



Edilprofil snc is in Piancogno, Provincia di Brescia

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**1980**

start of EdilProfil s.n.c.  
on the premises of the  
company's first location at  
Sellero – Brescia

**1985**

relocation to Cividate  
Camuno - Brescia

**1997**

settlement on the  
actual premises in  
Piancogno – Brescia

**2008**

installation of the new  
sectioning machine  
for realizing  
the profile EDP40

**2011**

purchase of sectioning  
machines (collaborating  
and non-collaborating  
ones) for producing  
EDP75



# Edilprofil

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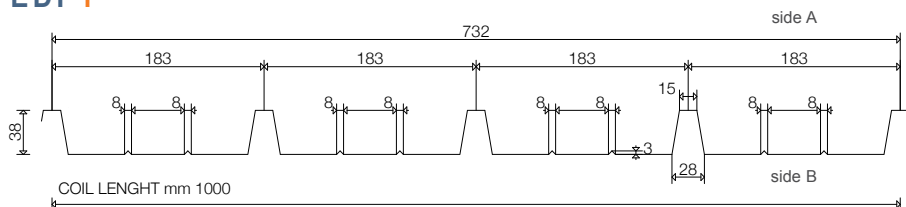
# profiles **EDP1** and **EDP2**

## technical description

COIL LENGHT 1000 & 1250 mm

### PROFILE SECTION - COIL LENGHT 1000mm



#### EDP1



#### AVAILABLE THICKNESSES

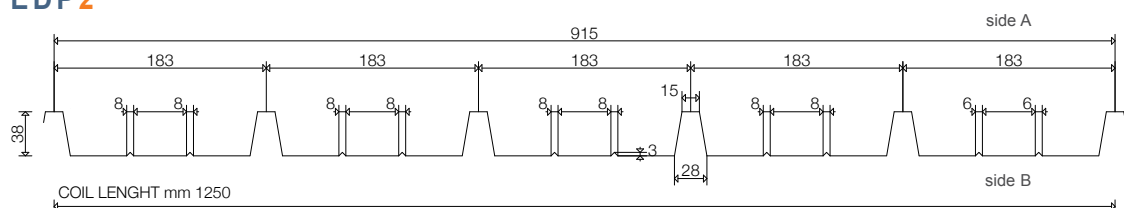
—	0,6 millimeters
—	0,7 millimeters
—	0,8 millimeters
—	1,0 millimeters
—	1,2 millimeters

#### AVAILABLE VARNISHING

	white/gray
	dark brown
	other colours upon request

### PROFILE SECTION - COIL LENGHT 1250mm



#### EDP2



#### AVAILABLE THICKNESSES

—	0,6 millimeters
—	0,7 millimeters
—	0,8 millimeters
—	1,0 millimeters
—	1,2 millimeters

#### AVAILABLE VARNISHING

	white/gray
	dark brown
	other colours upon request



## TABLE TECHNICAL DATA, EURO-CODES

## static characteristics

Hard section on linear meter referring to the useful width side A above

spessore mm thickness mm	peso kg/mq weight kg/mq	peso kg/m - weight kg/m			Inactivity moment J cm <sup>4</sup> /m	resistance module W cm <sup>3</sup> /m
		1000	1250	1500		
0,6	6,42	4,71	5,88	7,06	13,79	4,75
0,7	7,49	5,49	6,86	8,24	16,04	5,55
0,8	8,57	6,28	7,85	9,42	18,31	6,36
1,0	10,72	7,85	9,81	11,77	22,83	7,98
1,2	12,86	9,42	11,77	14,13	27,32	9,62

## FLOW CHART WITH 2 SUPPORTS



distance between the supports in m (supporting space m)

spessore mm thickness mm	1,00	1,25	1,50	1,75	2,00	2,25	2,50	2,75	3,00	3,25	3,50	3,75	4,00
	characteristic load uniformly delivered in kg/sqm (max kg/sqm)												
0,6 mm	540	350	245	185	120	80	55	40	30	20			
				<b>200</b>	<b>150</b>	<b>120</b>	<b>85</b>	<b>55</b>	<b>40</b>	<b>32</b>			
0,7 mm	640	430	295	210	138	93	65	45	35	25	18		
			<b>400</b>	<b>220</b>	<b>190</b>	<b>130</b>	<b>100</b>	<b>80</b>	<b>60</b>	<b>55</b>	<b>46</b>		
0,8 mm	750	470	345	230	150	105	73	52	38	28	21	16	11
			<b>450</b>	<b>300</b>	<b>260</b>	<b>170</b>	<b>120</b>	<b>85</b>	<b>70</b>	<b>60</b>	<b>27</b>	<b>20</b>	<b>15</b>
1 mm	940	630	440	285	185	125	90	65	46	35	26	18	14
			<b>500</b>	<b>340</b>	<b>280</b>	<b>185</b>	<b>150</b>	<b>127</b>	<b>105</b>	<b>87</b>	<b>66</b>	<b>44</b>	<b>40</b>
1,2 mm	1100	770	500	310	220	150	105	75	55	40	28	21	15
			<b>550</b>	<b>360</b>	<b>300</b>	<b>220</b>	<b>180</b>	<b>136</b>	<b>110</b>	<b>88</b>	<b>78</b>	<b>63</b>	<b>53</b>

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## FLOW CHART WITH 4 SUPPORTS



distance between the supports in m (supporting space m)

spessore mm thickness mm	1,00	1,25	1,50	1,75	2,00	2,25	2,50	2,75	3,00	3,25	3,50	3,75	4,00
	characteristic load uniformly delivered in kg/sqm (max kg/sqm)												
0,6 mm	624	450	340	260	200	160	115	85	63	48	37	29	23
						<b>175</b>	<b>125</b>	<b>99</b>	<b>78</b>	<b>70</b>	<b>60</b>	<b>50</b>	<b>45</b>
0,7 mm	765	550	410	320	260	183	130	98	73	57	44	33	26
						<b>195</b>	<b>165</b>	<b>130</b>	<b>120</b>	<b>90</b>	<b>80</b>	<b>70</b>	<b>63</b>
0,8 mm	910	650	470	390	310	210	151	111	83	63	49	37	29
						<b>230</b>	<b>170</b>	<b>150</b>	<b>126</b>	<b>110</b>	<b>100</b>	<b>80</b>	<b>70</b>
1 mm	1180	860	650	490	370	253	186	133	102	78	60	45	35
						<b>280</b>	<b>230</b>	<b>190</b>	<b>170</b>	<b>140</b>	<b>115</b>	<b>105</b>	<b>90</b>
1,2 mm	1400	980	720	570	440	300	213	150	118	90	70	52	41
						<b>360</b>	<b>260</b>	<b>200</b>	<b>180</b>	<b>150</b>	<b>125</b>	<b>115</b>	<b>100</b>

The loads of the carrings's bolded are referred to an indicator  $l > l/200$  $l$  = distance between the supports

steel S250 GD (EN10147)

characteristic tension for traction  $f_{yp} = 250$  N/sq. mmtension for traction project  $f_{dp} = 227$  N/sq. mm

when no mentioned, the pre-varnishing occurs on the proof side EUROCODE 3 EN 1993-1-3 and EN 1993-1-5

$$S_{Ed} = g_G \cdot G + g_Q \cdot [y \cdot Q]$$

$g_G = 1,4$	$g_Q = 1,5$	$y = 1$
$g_G = 1,0$	$g_Q = 1,0$	$y = 1$



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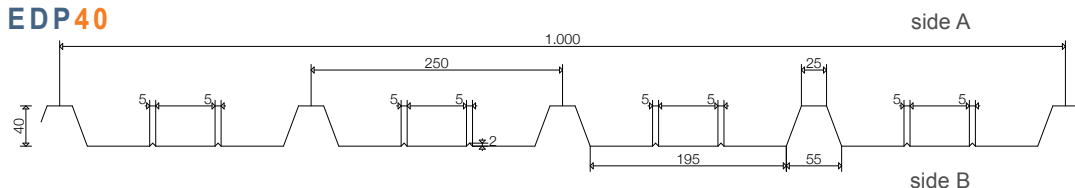
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# profiles EDP40

## technical description

COIL LENGHT 1250 mm

### EDP40



### THICKNESSES

—	0,6 mm
—	0,7 mm
—	0,8 mm
—	1,0 mm

### TABLE TECHNICAL DATA, EURO-CODES

#### static characteristics

hard section on linear meter referring to the useful width side A above

spessore mm thickness mm	peso kg/mq weight kg/mq	inactivity moment J cm4/m	resistance module W cm3/m
<b>0,6</b>	5,89	16,05	5,3
<b>0,7</b>	6,87	18,72	6,18
<b>0,8</b>	7,85	21,4	7,07
<b>1,0</b>	9,81	26,75	8,83

The loads of the carrings's bolded are referred to an indicator  $l/200$   
 $l$ =distance between the supports

steel S250 GD (EN10147)

characteristic tension for traction  $f_{yp} = 250$  N/sq. mm

tension for traction project  $f_{dp} = 227$  N/sq. mm

when no mentioned, the pre-varnishing occurs on the  
 proof side EUROCODE 3 EN 1993-1-3 and EN 1993-1-5

$$S_{Ed} = g_G \cdot G + g_Q \cdot [y \cdot Q]$$

### VARNISHING

white/grey

dark brown

other colours upon request

$g_G = 1,4$	$g_Q = 1,5$	$y = 1$
$g_G = 1,0$	$g_Q = 1,0$	$y = 1$

### FLOW CHART WITH 2 SUPPORTS

1 campata/spans



distanza tra gli appoggi in m (supporting space m)

spessore mm thickness mm	1,00	1,25	1,50	1,75	2,00	2,25	2,50	2,75	3,00	3,25	3,50	3,75	4,00
	characteristic load uniformly delivered in kg/sqm (max kg/sqm)												
<b>0,6</b>	550	330	245	180	129	88	62	45	34	24			
					<b>137</b>	<b>100</b>	<b>85</b>	<b>68</b>	<b>56</b>	<b>46</b>			
<b>0,7</b>	700	540	400	230	150	100	70	54	39	29	22		
				<b>280</b>	<b>220</b>	<b>170</b>	<b>140</b>	<b>110</b>	<b>90</b>	<b>80</b>	<b>60</b>		
<b>0,8</b>	950	700	420	260	172	110	83	60	44	32	24	18	
			<b>480</b>	<b>340</b>	<b>250</b>	<b>195</b>	<b>160</b>	<b>130</b>	<b>110</b>	<b>90</b>	<b>80</b>	<b>70</b>	
<b>1,0</b>	1100	800	500	310	200	144	100	70	53	40	30	20	15
			<b>600</b>	<b>430</b>	<b>330</b>	<b>260</b>	<b>200</b>	<b>160</b>	<b>140</b>	<b>120</b>	<b>100</b>	<b>80</b>	<b>70</b>

### FLOW CHART WITH 4 SUPPORTS

3 campate/spans



distanza tra gli appoggi in m (supporting space m)

spessore mm thickness mm	1,00	1,25	1,50	1,75	2,00	2,25	2,50	2,75	3,00	3,25	3,50	3,75	4,00
	characteristic load uniformly delivered in kg/sqm (max kg/sqm)												
<b>0,6</b>	490	355	275	215	175	145	122	91	69	53	40	32	
								<b>100</b>	<b>87</b>	<b>77</b>	<b>66</b>	<b>56</b>	
<b>0,7</b>	600	440	330	260	215	177	147	105	82	63	48	38	30
							<b>150</b>	<b>127</b>	<b>110</b>	<b>95</b>	<b>84</b>	<b>73</b>	<b>66</b>
<b>0,8</b>	710	520	390	310	250	210	166	122	92	71	55	42	33
							<b>174</b>	<b>150</b>	<b>130</b>	<b>113</b>	<b>97</b>	<b>87</b>	<b>75</b>
<b>1,0</b>	960	680	520	410	330	270	200	150	113	85	67	51	40
							<b>240</b>	<b>195</b>	<b>170</b>	<b>147</b>	<b>125</b>	<b>110</b>	<b>97</b>



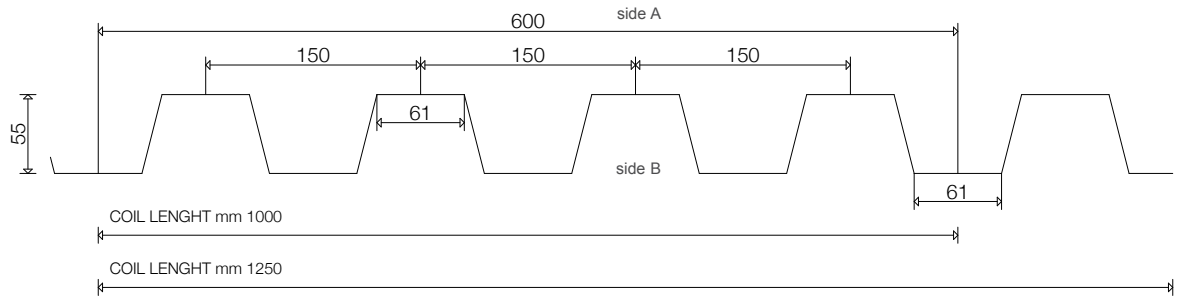


# profiles EDP21

## technical description

COIL LENGHT 1000 and 1250 mm

### EDP21



### TABLE TECHNICAL DATA, EURO-CODES

#### static characteristics

hard section on linear meter referring to the useful width side A above

spessore mm thickness mm	peso kg/mq weight kg/mq	peso kg/m - weight kg/m			inactivity moment J cm4/m	resistance module W cm3/m
		1000	1250	1500		
0,6	7,85	4,71	5,88	7,06	39,15	11,91
0,7	9,15	5,49	6,86	8,24	47,51	14,75
0,8	10,46	6,28	7,85	9,42	56,16	17,75
1,0	13,08	7,85	9,81	11,77	74,08	24,13
1,2	15,70	9,42	11,77	14,13	92,38	30,86
1,5	19,61	11,77	14,71	17,66	119,71	41,13

### FLOW CHART WITH 2 SUPPORTS

support's efficient width = 10 mm 1 campata/spans



distanza tra gli appoggi in m (supporting space m)

spessore mm thickness mm	1,00	1,25	1,50	1,75	2,00	2,25	2,50	2,75	3,00	3,25	3,50	3,75	4,00	4,25	4,50	4,75	5,00	5,50	6,00
	characteristic load uniformly delivered in kg/sqm (max kg/sqm)																		
0,6 mm	1300	930	650	480	360	280	195	140	110	83	65	52	42	32	26	21	17	11	6
							230	190	158	130	113	98	85	75	66	57	51	40	30
0,7 mm	1680	1100	780	600	450	340	230	170	130	98	76	60	50	40	30	25	20	13	7
							270	240	195	160	141	122	100	90	80	70	60	50	40
0,8 mm	2150	1350	980	710	540	420	270	195	150	110	86	70	55	45	35	28	23	15	8
							345	270	225	183	170	145	120	110	100	85	70	60	50
1,0 mm	2950	1900	1320	970	730	560	330	245	190	150	110	90	70	58	45	37	30	18	11
							440	370	300	260	220	200	170	140	130	120	107	80	70
1,2 mm	3700	2430	1700	1220	940	730	390	290	230	175	140	110	86	70	55	45	35	24	14
							560	470	400	300	250	230	210	190	170	150	130	110	90
1,5 mm	4900	3200	2250	1650	1250	1000	530	390	300	230	180	140	110	90	72	60	48	31	18
							760	640	540	440	390	320	290	250	225	205	180	145	122





## AVAILABLE THICKNESSES

— 0,6 millimeters — 1,0 millimeters  
 — 0,7 millimeters — 1,2 millimeters  
 — 0,8 millimeters — 1,5 millimeters

## AVAILABLE VARNISHING

galvanized - standard  
 other colours upon request

the loads of the carrings's bolded are referred to an indicator  $> l/200$

$l$  = distance between the supports

steel S250 GD (EN10147)

characteristic tension for traction  $f_{yp} = 250$  N/sq. mm

tension for traction project  $f_{dp} = 227$  N/sq. mm

when no mentioned, the pre-varnishing occurs on the proof side EUROCODE 3 EN 1993-1-3 and EN 1993-1-5

$$S_{Ed} = g_G \cdot G + g_Q \cdot [y \cdot Q]$$

$g_G = 1,4$	$g_Q = 1,5$	$y = 1$
$g_G = 1,0$	$g_Q = 1,0$	$y = 1$

## FLOW CHART WITH 4 SUPPORTS

support's efficient width = 50 mm 3 spans

△ △ △ △

distanza tra gli appoggi in m (supporting space m)

spessore mm thickness mm	1,00	1,25	1,50	1,75	2,00	2,25	2,50	2,75	3,00	3,25	3,50	3,75	4,00	4,25	4,50	4,75	5,00	5,50	6,00
	characteristic load uniformly delivered in kg/sqm (max kg/sqm)																		
0,6 mm	1600	1000	730	550	430	340	280	230	190	167	131	105	85	68	57	47	38	27	19
											<b>140</b>	<b>120</b>	<b>105</b>	<b>90</b>	<b>84</b>	<b>75</b>	<b>67</b>	<b>53</b>	<b>45</b>
0,7 mm	1940	1280	900	680	525	420	340	285	240	200	150	120	100	82	67	55	46	32	22
											<b>175</b>	<b>155</b>	<b>135</b>	<b>117</b>	<b>100</b>	<b>90</b>	<b>75</b>	<b>65</b>	<b>55</b>
0,8 mm	2320	1500	1000	770	620	500	405	340	285	245	180	140	118	95	78	65	54	38	26
											<b>210</b>	<b>180</b>	<b>162</b>	<b>142</b>	<b>124</b>	<b>108</b>	<b>100</b>	<b>77</b>	<b>65</b>
1,0 mm	3050	2000	1450	1080	845	670	540	455	387	290	280	183	154	124	100	80	65	47	33
										<b>340</b>	<b>300</b>	<b>247</b>	<b>215</b>	<b>195</b>	<b>172</b>	<b>155</b>	<b>135</b>	<b>110</b>	<b>92</b>
1,2 mm	3850	2540	1820	1370	1070	840	690	575	450	355	285	220	180	147	120	100	83	60	42
									<b>490</b>	<b>410</b>	<b>360</b>	<b>320</b>	<b>282</b>	<b>245</b>	<b>225</b>	<b>195</b>	<b>175</b>	<b>142</b>	<b>118</b>
1,5 mm	5050	3350	2400	1800	1420	1130	925	775	580	450	353	285	235	192	158	130	110	78	55
								<b>670</b>	<b>565</b>	<b>480</b>	<b>425</b>	<b>380</b>	<b>320</b>	<b>295</b>	<b>260</b>	<b>237</b>	<b>190</b>	<b>160</b>	

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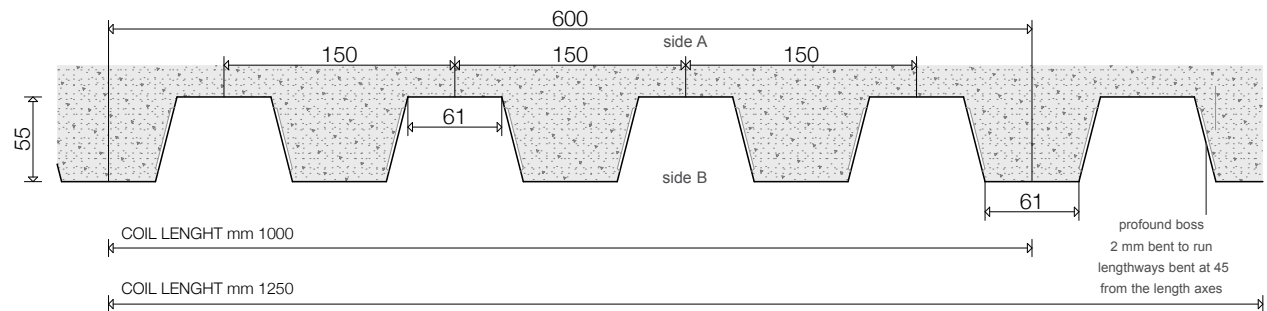


# profiles collaborating EDP21

## technical description

COIL LENGHT 1000 and 1250 mm

### COLLABORATING EDP21



### FLOW CHART WITH 2 SUPPORTS

support's efficient width = 50 m span



characteristic load uniformly delivered in kg/sqm (max kg/sqm)

slab's height cm	slab's weight kg/sqm	spessore mm thickness	150	200	250	300	350	400	450	500	600	700	800	1000	1200	1500	2000	
			distance between the supports in m (supporting space m)										distance between the supports in m					
h=10	190	0,7	2,50	2,48	2,47	2,45	2,45	2,45	2,45	2,45	2,45	2,45	2,45	2,45	2,23	1,98	1,70	
		0,8	2,62	2,62	2,62	2,62	2,62	2,62	2,62	2,62	2,62	2,62	2,62	2,62	2,50	2,34	2,06	1,78
			2,70												2,55			
		1,0	2,78	2,78	2,78	2,78	2,78	2,78	2,78	2,78	2,78	2,78	2,78	2,78	2,55	2,52	2,25	1,93
			2,80	2,80	2,80	2,80	2,80	2,80	2,80	2,80	2,80	2,80	2,80	2,80	2,80	2,60		
		1,2	3,00	3,00	3,00	3,00	3,00	3,00	3,00	3,00	3,00	3,00	3,00	2,95	2,85	2,65	2,63	2,36
h=11	215	0,7	2,40	2,40	2,40	2,40	2,40	2,40	2,40	2,40	2,40	2,40	2,40	2,40	2,36	2,10	1,79	
		0,8	2,50	2,50	2,50	2,50	2,50	2,50	2,50	2,50	2,50	2,50	2,50	2,50	2,48	2,48	2,20	1,88
												2,58						
		1,0	2,70	2,70	2,70	2,70	2,70	2,70	2,70	2,70	2,70	2,70	2,70	2,62	2,62	2,58	2,36	2,00
			3,00															
		1,2	2,90	2,90	2,90	2,90	2,90	2,90	2,90	2,90	2,90	2,90	2,90	2,90	2,90	2,80	2,74	2,50
h=12	240	0,7	2,37	2,37	2,37	2,37	2,37	2,37	2,37	2,37	2,37	2,37	2,37	2,37	2,37	2,21	1,89	
		0,8	2,42	2,42	2,42	2,42	2,42	2,42	2,42	2,42	2,42	2,42	2,42	2,42	2,42	2,50	2,31	1,96
																2,52	2,52	2,52
		1,0	2,64	2,64	2,64	2,64	2,64	2,64	2,64	2,64	2,64	2,64	2,64	2,64	2,64	2,62	2,44	2,10
															2,80	2,65		
		1,2	2,80	2,80	2,80	2,80	2,80	2,80	2,80	2,80	2,80	2,80	2,80	2,80	2,80	2,80	2,75	2,60
														2,90	2,82			

### FLOW CHART WITH 4 SUPPORTS

support's efficient width = 50 m spans




characteristic load uniformly delivered in kg/sqm (max kg/sqm)

slab's height cm	slab's weight kg/sqm	spessore mm thickness	150	200	250	300	350	400	450	500	600	700	800	1000	1200	1500	2000
			distance between the supports in m (supporting space m)														
h=10	190	0,7	2,53	2,48	2,42	2,37	2,32	2,26	2,21	2,16	2,10	2,05	2,00	1,94	1,89	1,84	1,73
		0,8	2,70	2,64	2,59	2,53	2,47	2,42	2,36	2,30	2,25	2,19	2,13	2,08	2,02	1,96	1,85
		1	3,20	3,12	3,03	2,95	2,87	2,78	2,70	2,62	2,53	2,45	2,37	2,28	2,20	2,12	1,95
		1,2	3,60	3,49	3,38	3,27	3,16	3,05	2,94	2,83	2,72	2,61	2,50	2,39	2,28	2,17	1,95
h=11	215	0,7	2,45	2,41	2,36	2,32	2,28	2,23	2,19	2,15	2,10	2,06	2,02	1,97	1,93	1,89	1,80
		0,8	2,60	2,56	2,51	2,47	2,42	2,38	2,33	2,29	2,24	2,20	2,15	2,11	2,06	2,02	1,93
		1	3,10	3,04	2,97	2,91	2,85	2,78	2,72	2,66	2,59	2,53	2,47	2,40	2,34	2,28	2,15
		1,2	3,50	3,42	3,33	3,25	3,16	3,08	2,99	2,91	2,82	2,74	2,65	2,57	2,48	2,40	2,23
h=12	240	0,7	2,40	2,37	2,34	2,31	2,28	2,25	2,22	2,19	2,16	2,13	2,10	2,07	2,04	2,01	1,95
		0,8	2,50	2,47	2,44	2,42	2,39	2,36	2,33	2,30	2,28	2,25	2,22	2,19	2,16	2,14	2,08
		1	3,05	3,00	2,95	2,90	2,85	2,80	2,75	2,70	2,65	2,60	2,55	2,50	2,45	2,40	2,30
		1,2	3,37	3,31	3,25	3,19	3,13	3,07	3,01	2,95	2,88	2,82	2,76	2,70	2,64	2,58	2,46
															3,40	3,37	2,95

## AVAILABLE THICKNESSES

— 0,6 millimeters — 1,0 millimeters  
 — 0,7 millimeters — 1,2 millimeters  
 — 0,8 millimeters — 1,5 millimeters

## AVAILABLE VARNISHING

 galvanized - standard  
 other colours upon request

The bolded carrings's loads are referring to an initial indicator > I/200 and less than 20mm. For the first step of the casting of the concrete and the final indicator >I/500 after the maturation phase of the concrete. Nets electrically heated for the negative moments of 6 mm diameter in a heated knit 150 x 150 mm of Fe b44k. To be put a 20mm dal superior file of the slab, it has to avoid cracks of the supports. Characteristic tension of enervation fsk=430N/sq.mm. The project's tension is fsd = 374 N/sq. mm.

For lofts on more supports, it is possible to add a framework perpendicular on the rib in the moments when it is necessary to improve the utile Carring. Considering a round of a 8 mm diameter, it has to be considered each part of the concrete's section. We might add the framework for positive moments as well.

### Proof of the sheet when is casting

EURO-CODE 3 EN 1993-1-3

### Proof of the mixt sole when before starting

EURO-CODE 4 EN 1994-1-1

Positive resistant phase of the project

Negative resistant phase of the project

Resistant cut of the project

Resistance of the project against earthquakes

### Casting concrete

Compression characteristic tension fcd=1.67 kN/sq.cm

Tension for the cutting project=0.019 kN/sq.cm

(l=distance between the supports)

Sheet GALVANIZED STEEL S280 GD (EN10147)

Characteristic tension for traction fyp= 280 N/sq.mm

Project's tension for traction fdp= 255 N/sq.mm

The bosses on the vertical rib of the frets allow an optimum adhesion with the concrete. The data in this table are to be used by the designer, by the manager and by the person in charge with the approval.

Available tables with the carring corresponding to various structural schema and geometrical parameters.

### static characteristics

Hard section on linear meter referring to the useful width side A above

spessore mm thickness mm	peso kg/mq weight kg/mq	peso weight kg/m	
		1000	1250
0,7	9,15	5,49	6,86
0,8	10,46	6,28	7,85
1,0	13,08	7,85	9,81
1,2	15,70	9,42	11,8

$$S_{Ed} = \gamma_G \cdot G + \gamma_Q \cdot [\psi \cdot Q]$$

$\gamma_G = 1,35$	$\gamma_Q = 1,5$	$y = 1$
$\gamma_G = 1,0$	$\gamma_Q = 1,0$	$y = 1$









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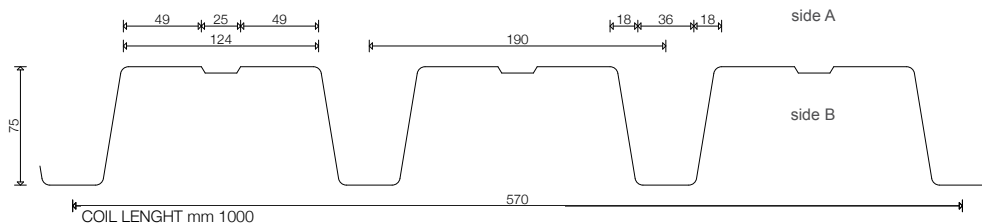
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# profiles EDP75

## technical description

COIL LENGHT 1000 mm

### EDP75



### AVAILABLE THICKNESSES

— 0,6 millimetres — 0,8 millimetres — 1,2 millimetres  
— 0,7 millimetres — 1,0 millimetres — 1,5 millimetres

### AVAILABLE VARNISHING

galvanized

### TABLE TECHNICAL DATA, EURO-CODES

static characteristics  
hard section on linear meter referring to the useful width side A above

The loads of the carrings's bolded are referred to an indicator  $l > l/200$   
 $l$  = distance between the supports  
steel S250 GD (EN10147)  
characteristic tension for traction  $f_{yp} = 250$  N/sq. mm  
tension for traction project  $f_{dp} = 227$  N/sq. mm  
when no mentioned, the pre-varnishing occurs on the  
proof side EUROCODE 3 EN 1993-1-3 and EN 1993-1-5

spessore mm thickness mm	peso kg/mq weight kg/mq	peso kg/m weight kg/m	inactivity moment J cm4/m	resistance module W cm3/m
0,6	8,26	4,71	65,18	15,28
0,7	9,64	5,49	80,03	18,98
0,8	11,02	6,28	94,71	22,96
1,0	13,77	7,85	126,23	31,79
1,2	16,53	9,42	159,47	39,68
1,5	20,66	11,77	207,00	50,92

$$S_{Ed} = g_G \cdot G + g_Q \cdot [y \cdot Q]$$

$g_G = 1,4$	$g_Q = 1,5$	$y = 1$
$g_G = 1,0$	$g_Q = 1,0$	$y = 1$

### FLOW CHART WITH 2 SUPPORTS

support's efficient width = 10 mm 1 span



distance between the supports in m (supporting space m)

spessore mm thickness mm	1,00	1,25	1,50	1,75	2,00	2,25	2,50	2,75	3,00	3,25	3,50	3,75	4,00	4,25	4,50	4,75	5,00	5,50	6,00
	characteristic load uniformly delivered in kg/sqm (max kg/sqm)																		
0,6	1050	840	700	600	520	440	360	300	250	210	180	150	134	120	105	93	80	68	55
						<b>545</b>	<b>410</b>	<b>300</b>	<b>235</b>	<b>180</b>	<b>145</b>	<b>115</b>	<b>95</b>	<b>75</b>	<b>63</b>	<b>51</b>	<b>42</b>	<b>30</b>	<b>21</b>
0,7	1370	1100	920	780	675	540	470	355	294	250	210	185	163	143	126	112	100	82	67
						<b>475</b>	<b>360</b>	<b>270</b>	<b>215</b>	<b>167</b>	<b>133</b>	<b>107</b>	<b>86</b>	<b>73</b>	<b>60</b>	<b>50</b>	<b>35</b>	<b>24</b>	
0,8	1750	1400	1170	990	790	620	500	415	345	290	250	215	189	166	147	130	118	95	77
						<b>530</b>	<b>400</b>	<b>308</b>	<b>240</b>	<b>190</b>	<b>152</b>	<b>122</b>	<b>100</b>	<b>83</b>	<b>68</b>	<b>57</b>	<b>40</b>	<b>28</b>	
1,0	2550	2050	1700	1330	1010	800	640	520	440	375	320	277	243	215	189	168	150	122	100
						<b>670</b>	<b>490</b>	<b>375</b>	<b>295</b>	<b>233</b>	<b>186</b>	<b>150</b>	<b>123</b>	<b>105</b>	<b>83</b>	<b>70</b>	<b>47</b>	<b>34</b>	
1,2	3550	2840	2270	1650	1270	1000	800	660	550	470	400	350	305	268	238	210	190	153	127
						<b>785</b>	<b>585</b>	<b>445</b>	<b>345</b>	<b>273</b>	<b>220</b>	<b>178</b>	<b>144</b>	<b>119</b>	<b>98</b>	<b>83</b>	<b>50</b>	<b>40</b>	
1,5	5300	4200	2900	2150	1630	1300	1050	860	720	610	530	450	396	350	310	275	247	200	163
						<b>960</b>	<b>710</b>	<b>560</b>	<b>415</b>	<b>330</b>	<b>265</b>	<b>210</b>	<b>177</b>	<b>146</b>	<b>120</b>	<b>100</b>	<b>68</b>	<b>48</b>	

### FLOW CHART WITH 4 SUPPORTS

support's efficient width = 50 mm 3 spans



distance between the supports in m (supporting space m)

spessore mm thickness mm	1,00	1,25	1,50	1,75	2,00	2,25	2,50	2,75	3,00	3,25	3,50	3,75	4,00	4,25	4,50	4,75	5,00	5,50	6,00
	characteristic load uniformly delivered in kg/sqm (max kg/sqm)																		
0,6	1850	1200	860	630	500	395	320	260	218	185	158	134	120	105	92	82	73	70	54
																		<b>66</b>	<b>48</b>
0,7	2380	1570	1110	820	650	515	425	340	285	241	205	175	155	135	122	108	94	74	63
																		<b>68</b>	<b>56</b>
0,8	3050	2000	1400	1030	815	670	520	420	350	300	260	224	194	170	152	133	122	97	80
																		<b>120</b>	<b>86</b>
1,0	4100	2650	1870	1390	1110	878	705	570	485	410	355	305	265	234	207	185	166	135	112
																		<b>170</b>	<b>146</b>
1,2	4870	3150	2250	1660	1520	1200	970	800	667	570	490	420	370	325	288	255	230	187	155
														<b>290</b>	<b>245</b>	<b>200</b>	<b>170</b>	<b>123</b>	<b>90</b>
1,5	5900	3850	2750	2030	1750	1400	1200	1000	900	800	700	650	600	520	450	400	370	310	250
												<b>520</b>	<b>430</b>	<b>350</b>	<b>290</b>	<b>245</b>	<b>205</b>	<b>150</b>	<b>110</b>





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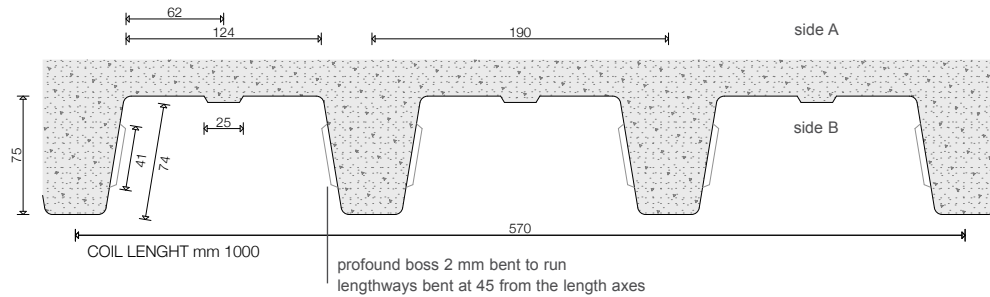


# profiles collaborating EDP75

## technical description

COIL LENGHT 1000mm

### COLLABORATING EDP75



### FLOW CHART WITH 2 SUPPORTS

support's efficient width = 50 mm 1 span



characteristic load uniformly delivered in kg/sqm (max kg/sqm)

slab's height cm	slab's weight kg/sqm	spessore mm thickness	150	200	250	300	350	400	450	500	600	700	800	1000	1200	1500	2000
			distance between the supports in m (supporting space m)									distance between the supports					
h=12	175	0,7	3,16	3,16	3,16	3,16	3,16	3,16	3,16	3,16	3,04	2,70	2,44	2,00	1,70	1,40	1,08
		0,8	3,40	3,40	3,40	3,40	3,40	3,40	3,40	3,40	3,08	2,72	2,45	2,02	1,71	1,41	1,08
		1	3,65	3,65	3,65	3,65	3,65	3,65	3,65	3,53	3,09	2,74	2,46	2,04	1,72	1,43	1,09
		1,2	3,83	3,83	3,83	3,83	3,83	3,83	3,73	3,66	3,10	2,75	2,47	2,05	1,72	1,43	1,09
		1,5	4,00	4,00	4,00	4,00	4,00	4,00	3,80	3,67	3,11	2,77	2,48	2,06	1,73	1,43	1,09
h=13	200	0,7	3,05	3,05	3,05	3,05	3,05	3,05	3,05	3,05	3,05	2,95	2,65	2,20	1,90	1,55	1,20
		0,8	3,25	3,25	3,25	3,25	3,25	3,25	3,25	3,25	3,25	3,00	2,70	2,25	1,92	1,57	1,20
		1	3,47	3,47	3,47	3,47	3,47	3,47	3,47	3,47	3,40	3,02	2,72	2,26	1,93	1,58	1,21
		1,2	3,68	3,68	3,68	3,68	3,68	3,68	3,68	3,68	3,41	3,03	2,73	2,27	1,94	1,59	1,21
		1,5	3,88	3,88	3,88	3,88	3,88	3,88	3,88	3,88	3,42	3,05	2,74	2,28	1,95	1,60	1,22
h=14	225	0,7	3,00	3,00	3,00	3,00	3,00	3,00	3,00	3,00	3,00	2,97	2,47	2,12	1,75	1,35	
		0,8	3,15	3,15	3,15	3,15	3,15	3,15	3,15	3,15	3,15	3,15	2,98	2,48	2,13	1,77	1,36
		1	3,37	3,37	3,37	3,37	3,37	3,37	3,37	3,37	3,37	3,29	2,99	2,49	2,14	1,78	1,37
		1,2	3,53	3,53	3,53	3,53	3,53	3,53	3,53	3,53	3,53	3,30	3,00	2,50	2,15	1,79	1,38
		1,5	3,75	3,75	3,75	3,75	3,75	3,75	3,75	3,75	3,68	3,31	3,01	2,51	2,16	1,80	1,39

Available tables with the carrings's corresponding to various structural schema and geometrical parameters.

### FLOW CHART WITH 4 SUPPORTS

support's efficient width = 50 mm 3 spans



characteristic load uniformly delivered in kg/sqm (max kg/sqm)

slab's height cm	slab's weight kg/sqm	spessore mm thickness	150	200	250	300	350	400	450	500	600	700	800	1000	1200	1500	2000
			distance between the supports in m (supporting space m)									distance between the supports					
h=12	175	0,7	3,62	3,62	3,62	3,41	3,2	2,99	2,77	2,56	2,35	2,14	1,93	1,72	1,50	1,29	1,08
		0,8	3,87	3,87	3,87	3,64	3,41	3,17	2,94	2,71	2,48	2,24	2,01	1,78	1,55	1,31	1,08
		1	4,3	4,3	4,3	4,03	3,76	3,5	3,23	2,96	2,69	2,42	2,15	1,89	1,62	1,35	1,08
		1,2	4,5	4,5	4,5	4,22	3,93	3,65	3,36	3,08	2,79	2,51	2,22	1,94	1,65	1,37	1,08
		1,5	5,27	5,27	4,95	4,63	4,3	3,98	3,66	3,34	3,01	2,69	2,37	2,05	1,72	1,40	1,08
h=13	200	0,7	3,55	3,55	3,55	3,55	3,55	3,55	3,55	3,26	2,96	2,67	2,38	2,08	1,79	1,49	1,20
		0,8	3,7	3,7	3,7	3,7	3,7	3,7	3,7	3,39	3,08	2,76	2,45	2,14	1,83	1,51	1,20
		1	4,15	4,15	4,15	4,15	4,15	4,15	4,15	3,78	3,41	3,04	2,68	2,31	1,94	1,57	1,20
		1,2	4,47	4,47	4,47	4,47	4,47	4,47	4,11	3,74	3,38	3,02	2,65	2,29	1,93	1,56	1,20
		1,5	5,1	5,1	5,1	5,1	5,1	4,71	4,32	3,93	3,54	3,15	2,76	2,37	1,98	1,59	1,20
h=14	225	0,7	3,42	3,42	3,42	3,42	3,42	3,42	3,42	3,42	3,42	3,08	2,73	2,39	2,04	1,70	1,35
		0,8	3,67	3,67	3,67	3,67	3,67	3,67	3,67	3,67	3,65	3,27	2,88	2,50	2,12	1,73	1,35
		1	4,04	4,04	4,04	4,04	4,04	4,04	4,04	4,04	3,66	3,27	2,89	2,50	2,12	1,73	1,35
		1,2	4,43	4,43	4,43	4,43	4,43	4,43	4,43	4,05	3,66	3,28	2,89	2,51	2,12	1,74	1,35
		1,5	5	5	5	5	5	5	4,59	4,19	3,78	3,38	2,97	2,57	2,16	1,76	1,35

Available tables with the carrings's corresponding to various structural schema and geometrical parameters.

### AVAILABLE THICKNESSES

— 0,6 millimetres — 0,8 millimetres — 1,2 millimetres  
— 0,7 millimetres — 1,0 millimetres — 1,5 millimetres

### AVAILABLE VARNISHING

galvanized

## TABLE TECHNICAL DATA, EURO-CODES

The bolded carrings's loads are referring to an initial indicator  $> l/200$  and less than 20mm. For the first step of the casting of the concrete and the final indicator  $> l/500$  after the maturation phase of the concrete. Nets electrically heated for the negative moments of 6 mm diameter in a heated knit 150 x 150 mm of Fe b44k. To be put a 20mm dal superior file of the slab, it has to avoid cracks of the supports. Characteristic tension of enervation  $f_{sk}=430\text{N/sq.mm}$ . The project's tension is  $f_{sd} = 374 \text{ N/sq. mm}$ .

For lofts on more supports, it is possible to add a framework perpendicular on the rib in the moments when it is necessary to improve the utile carrings. Considering a round of a 8 mm diameter, it has to be considered each part of the concrete's section. We might add the framework for positive moments as well.

### Proof of the sheet when is casting

EURO-CODE 3 EN 1993-1-3

### Proof of the mixt sole when before starting

EURO-CODE 4 EN 1994-1-1

Positive resistant phase of the project

Negative resistant phase of the project

Resistant cut of the project

Resistance of the project against earthquakes

### Casting concrete

Compression characteristic tension  $f_{cd}=1.67 \text{ kN/sq.cm}$

Tension for the cutting project= $0.019 \text{ kN/sq.cm}$

( $l$ =distance between the supports)

Sheet GALVANIZED STEEL S280 GD (EN10147)

Characteristic tension for traction  $f_{yp}= 280 \text{ N/sq.mm}$

Project's tension for traction  $f_{dp}= 255 \text{ N/sq.mm}$

The bosses on the vertical rib of the frets allow an optimum adhesion with the concrete. The data in this table are to be used by the designer, by the manager and by the person in charge with the approval.

#### static characteristics

hard section on linear meter referring to the useful width side A above

spessore mm thickness mm	peso kg/mq weight kg/mq	peso weight kg/m 1000
0,7	9,64	5,49
0,8	11,02	6,28
1,0	13,77	7,85
1,2	16,53	9,42
1,5	20,66	11,77

$$S_{Ed} = \gamma_G \cdot G + \gamma_Q \cdot [\psi \cdot Q]$$

$g_G = 1,35$	$g_Q = 1,5$	$y = 1$
$g_G = 1,0$	$g_Q = 1,0$	$y = 1$









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# **certification number 1**

## details and explanations

# certification number 2

## details and explanations

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A



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# structural fretted seam panellings's profile

EDP1	EDP2	EDP21	EDP21 coll	EDP40	EDP75	EDP75 coll	coating	thickness mm	lenght m	tons	quantity sq.m.	price euro/kg	price euro/ sq.m.	date of delivery

## components

description	code	quantity	unit of measure	price euro/unit of measure

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