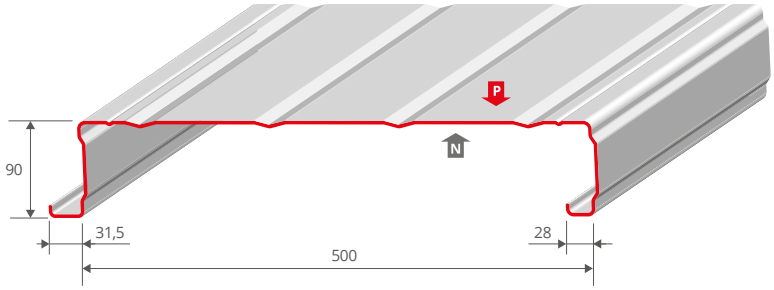
ALTEMPO 500



Pre-painted Surface

THICKNESS mm	WEIGHT kg/m²
0.75	8.83
1.00	11.78

STANDARD COATINGS ›

Steel S 320 GD	Thickness mm	Standards
Galva	0.75/1.00	NF EN 10346 / NF P 34-310
Polyester 15µ	0.75/1.00	NF EN 10169 / NF P 34-301
Other coatings	on request	NF EN 10169 / NF P 34-301

BUREAU VERITAS

TEST REPORT › NO. 2382135/1B

Deflection tests according to NF P 34-503 of November 1995. DTU 40-35 (NF P 34-205-1 May 1997)

CALCULATION VALUES › nominal thicknesses in mm

	symbol	units	0.75	1.00
Surface weight	m	kg/m²	8.83	11.78
Load due to profile weight	g	daN/m²	8.65	11.54

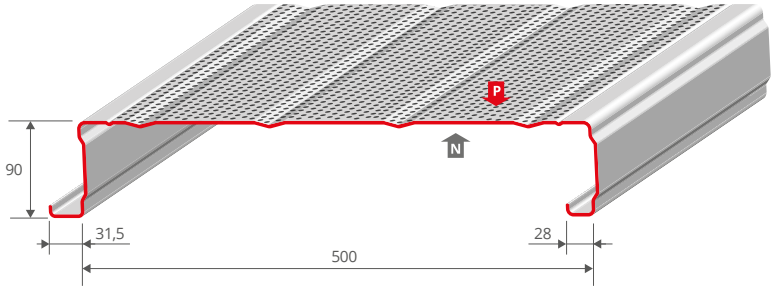
DOWNWARD LOAD ACTION			symbol	units	0.75	1.00
Moment of inertia single span			I_2	cm⁴/m	97.4	129.8
	two equal spans		I_3	cm⁴/m	84.1	112.1
	multiple spans		I_m	cm⁴/m	90.7	121.0
Bending moments	at mid-span	*elastic syst.*	M_{d2T}	m.daN/m	245.3	327.1
	at mid-span	*elasto-plastic syst.*	M_{d3T}	m.daN/m	435.5	580.6
	on supports		M_{d3A}	m.daN/m	407.9	543.8
	under point load		M_c	m.daN/m	241.7	322.3
Reaction on supports			R_d	daN/m	625	834

UPLIFT LOAD ACTION				3 FIXINGS PER DECK	
		symbol	units	0.75	1.00
Bending moments	at mid-span *elastic syst.*	M_{a2T}	m.daN/m	330.6	440.8
	at mid-span *elasto-plastic system*	M_{a3T}	m.daN/m	337.2	449.6
	on supports	M_{a3A}	m.daN/m	301.9	402.5
Breakout force at support		S_a	daN/m	647	863
Under uplift load action, the useful spans are valid if the calculated characteristic strength (Pk/γm) is more than or equal to the values given in daN:				159	213

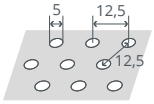
MAX SPAN TABLE IN METRES ACCORDING TO NOMINAL LOADS › fy: 320MPa - nominal thicknesses in mm

DOWNWARD LOADS						UNWEIGHTED LIVE LOADS daN/m²	UPLIFT LOADS					
SINGLE SPAN		2 EQUAL SPANS		MULTIPLE SPANS			SINGLE SPAN		2 EQUAL SPANS		MULTIPLE SPANS	
									3 attachments per deck		3 attachments per deck	
0.75	1.00	0.75	1.00	0.75	1.00		0.75	1.00	0.75	1.00	0.75	1.00
3.95	4.50	4.60	5.25	4.60	5.25	**50**	3.95	4.50	4.60	5.25	4.60	5.25
3.95	4.50	4.60	5.25	4.60	5.25	**75**	3.95	4.50	4.60	5.25	4.60	5.25
3.50	4.00	3.85	5.00	4.20	5.25	**100**	3.95	4.50	4.35	5.10	4.35	5.20
3.15	3.60	3.10	4.05	3.40	4.45	**125**	3.60	4.50	3.65	4.50	3.65	4.50
2.65	3.30	2.65	3.45	2.85	3.75	**150**	3.00	4.05	3.00	4.10	3.00	4.10
2.30	3.00	2.25	3.00	2.50	3.25	**175**	2.55	3.45	2.55	3.45	2.55	3.45
2.00	2.65	2.00	2.65	2.20	2.85	**200**	2.20	3.00	2.25	3.00	2.25	3.00
1.80	2.35	1.80	2.35	1.95	2.55	**225**						
1.60	2.15	1.60	2.15	1.75	2.30	**250**						

ALTEMPO 500 P



Perforation



Pre-painted Surface

THICKNESS mm	WEIGHT kg/m²
0.75	7.98
1.00	10.64

STANDARD COATINGS ›

Steel S 320 GD	Thickness mm	Standards
Galva	0.75/1.00	NF EN 10346 / NF P 34-310
Polyester 15µ	0.75/1.00	NF EN 10169 / NF P 34-301
Other coatings	on request	NF EN 10169 / NF P 34-301

BUREAU VERITAS

TEST REPORT › NO. 2450880/1E

Deflection tests according to NF P 34-503 of November 1995. DTU 40-35 (NF P 34-205-1 May 1997)

CALCULATION VALUES › nominal thicknesses in mm

	symbol	units	0.75	1.00
Surface weight	m	kg/m²	7.98	10.64
Load due to profile weight	g	daN/m²	7.82	10.43

DOWNWARD LOAD ACTION			symbol	units	0.75	1.00
Moment of inertia single span			I_2	cm⁴/m	90.9	121.2
	two equal spans		I_3	cm⁴/m	70.4	93.9
	multiple spans		I_m	cm⁴/m	80.7	107.6
Bending moments	at mid-span	*elastic syst.*	M_{d2T}	m.daN/m	343.0	457.3
	at mid-span	*elasto-plastic syst.*	M_{d3T}	m.daN/m	374.8	499.7
	on supports		M_{d3A}	m.daN/m	350.1	466.8
	under point load		M_c	m.daN/m	270.9	361.3
Reaction on supports			R_d	daN/m	791	1055

UPLIFT LOAD ACTION			symbol	units	3 FIXINGS PER DECK 0.75	1.00
Bending moments	at mid-span	*elastic syst.*	M_{a2T}	m.daN/m	327.5	436.6
	at mid-span	*elasto-plastic system*	M_{a3T}	m.daN/m	439.8	586.4
	on supports		M_{a3A}	m.daN/m	412.5	549.9
Breakout force at support			S_a	daN/m	877	1170
Under uplift load action, the useful spans are valid if the calculated characteristic strength (Pk/γm) is more than or equal to the values given in daN:					215	285

MAX SPAN TABLE IN METRES ACCORDING TO NOMINAL LOADS › fy: 320MPa - nominal thicknesses in mm

DOWNWARD LOADS						UNWEIGHTED LIVE LOADS daN/m²	UPLIFT LOADS					
SINGLE SPAN		2 EQUAL SPANS		MULTIPLE SPANS			SINGLE SPAN		2 EQUAL SPANS		MULTIPLE SPANS	
									3 attachments per deck		3 attachments per deck	
0.75	1.00	0.75	1.00	0.75	1.00		0.75	1.00	0.75	1.00	0.75	1.00
4.75	5.40	4.95	5.65	4.95	5.65	**50**	4.75	5.40	4.95	5.65	4.95	5.65
4.60	5.05	4.95	5.65	4.95	5.65	**75**	4.75	5.40	4.95	5.65	4.95	5.65
4.15	4.60	4.35	4.95	4.35	5.15	**100**	4.30	5.00	4.95	5.65	4.95	5.65
3.70	4.25	3.90	4.45	3.90	4.60	**125**	3.80	4.45	4.40	5.15	4.40	5.40
3.35	3.90	3.35	4.10	3.55	4.10	**150**	3.45	4.05	4.00	4.65	4.00	4.75
2.90	3.65	2.90	3.80	3.15	3.80	**175**	3.20	3.70	3.45	4.30	3.45	4.30
2.55	3.35	2.55	3.35	2.80	3.55	**200**	3.00	3.45	3.00	4.00	3.00	4.00
2.30	3.00	2.25	3.00	2.50	3.25	**225**						
2.05	2.70	2.05	2.70	2.25	2.95	**250**						