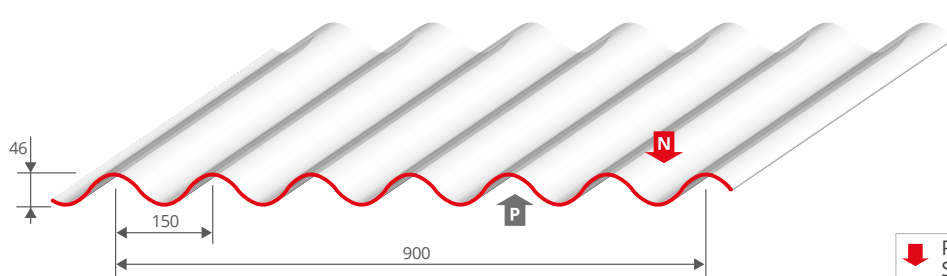
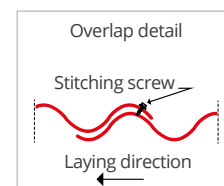


SINUS 46C



Pre-painted Surface



THICKNESS mm	WEIGHT kg/m ²
0.63	-
0.75	7.98

STANDARD COATINGS

Steel S 320 GD	Thickness mm	Standards
Galva	0.63/0.75	NF EN 10346 / NF P 34-310
Polyester 25μ/35μ	0.63/0.75	NF EN 10169 / NF P 34-301
Other coatings	on request	NF EN 10169 / NF P 34-301

**BUREAU
VERITAS**

TEST REPORT NO. 803357/1B

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	0.63	0.75
Surface weight	m	kg/m ²	-	7.98
Load due to profile weight	g	daN/m ²	-	7.82

DOWNWARD LOAD ACTION		symbol	units	0.63	0.75
Moment of inertia single span		I_2	cm ⁴ /m	-	25.60
two equal spans		I_3	cm ⁴ /m	-	22.28
multiple spans		I_m	cm ⁴ /m	-	23.94
Bending moments at mid-span	<i>elastic syst.</i>	M_{d2T}	m.daN/m	-	342.20
	<i>elasto-plastic syst.</i>	M_{d3T}	m.daN/m	-	386.90
	on supports	M_{d3A}	m.daN/m	-	250.60
	under point load	M_c	m.daN/m	-	165.30
Reaction on supports		R_d	daN/m	-	769.00

UPLIFT LOAD ACTION				FASTENING AT TOP OF CORRUGATION				FASTENING AT BOTTOM OF CORRUGATION			
				all corrugations		1 corrugation out of 2		all corrugations		1 corrugation out of 2	
				0.63	0.75	0.63	0.75	0.63	0.75	0.63	0.75
Bending moments	at mid-span <i>elastic syst.</i>	M_{a2T}	m.daN/m	-	333.30	-	166.60	-	333.30	-	166.60
	at mid-span <i>elasto-plastic system</i>	M_{a3T}	m.daN/m	-	368.00	-	184.00	-	368.00	-	184.00
	on supports	M_{a3A}	m.daN/m	-	238.40	-	119.20	-	238.40	-	119.20
Breakout force at support		S_a	daN/m	-	773.00	-	387.00	-	773.00	-	387.00
Under uplift load action, the useful spans are valid if the calculated characteristic strength (Pk/lm) is more than or equal to the values given in daN:				-	171.00	-	171.00	-	171.00	-	171.00

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

DOWNWARD LOADS						UNWEIGHTED OPERATING LOAD daN/m²	UPLIFT LOADS								
SINGLE SPAN		2 EQUAL SPANS		MULTIPLE SPANS			SINGLE SPAN	2 EQUAL SPANS				MULTIPLE SPANS			
								all corrugations		1 corrugation out of 2		all corrugations		1 corrugation out of 2	
0.63	0.75	0.63	0.75	0.63	0.75			0.63	0.75	0.63	0.75	0.63	0.75	0.63	0.75
-	3.40	-	3.80	-	3.80	50	-	3.80	-	3.80	-	3.80	-	3.80	
-	3.05	-	3.80	-	3.70	75	-	3.80	-	3.80	-	3.40	-	3.40	
-	2.75	-	3.60	-	3.35	100	-	3.80	-	3.80	-	2.75	-	2.75	
-	2.60	-	3.35	-	3.15	125	-	3.80	-	3.65	-	2.15	-	2.15	
-	2.45	-	3.15	-	2.95	150	-	3.50	-	3.35	-	1.80	-	1.80	
-	2.35	-	2.80	-	2.80	175	-	3.05	-	3.05	-	1.55	-	1.55	
-	2.25	-	2.45	-	2.45	200	-	2.65	-	2.65	-	1.35	-	1.35	
-	2.15	-	2.20	-	2.20	225									
-	2.00	-	2.00	-	2.00	250									