

TECHNICAL DATA SHEET

NGRP5STS-FR SOLAR GES ROOF PANEL FILLED WITH ROCKWOOL

MAIN FEATURES

- Light
- High heat insulation
- Long lasting
- Resistant

CERTIFICATES

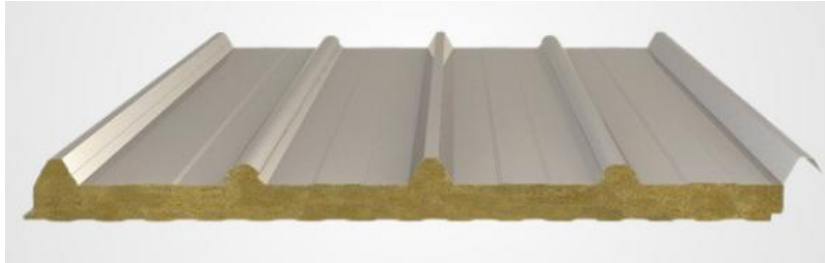
A2-s1-d0
CE

Fire Class : **A**



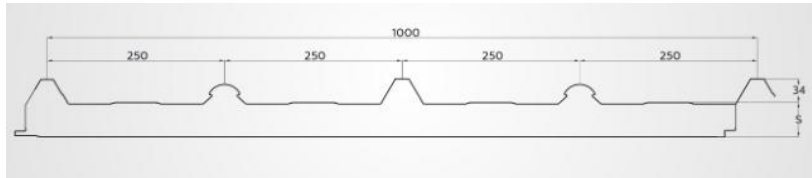
Description of Product

NGRP5 Rockwool roof panel in the Nuhpanel roof panels product range has a 5-roll and 34 mm high roll form. It provides high protection against external factors. Surface paint options of NRP5 Rockwool roof panel include Polyester and PvdF. Rockwool filling also provides fire resistance. Nuhpanel's rockwool-filled roof panels are in "A" non-flammability class and show high performance as a coating material in buildings with fire risk. They are environmentally friendly roof panels ideal for constructions where fire resistance, sound insulation and thermal insulation are at the forefront. NGRP5 Rockwool roof panels can be installed quickly and easily.



Rib Type	Form	Actual Width	Minimum Length	Maximum Length
5 Ribs	34/1000	1000mm	2.500 mm	14.500 mm

Technical Drawing



Joint Detail

The slatted connection details used in Nuhpanel roof panels are resistant to water leaks and segregation.



OPTIONS

COATING THICKNESS

- 0,45 mm x 0,35 mm
- 0,50 mm x 0,40 mm
- 0,50 mm x 0,50 mm

FILLING THICKNESS

- 50 mm
- 60 mm
- 70 mm
- 80 mm
- 100 mm

SURFACE COATING

- POLYESTHER
- PVDF

FOR INFORMATION

www.nuhpanel.com.tr

444 4 684

COMPANY CERTIFICATES

- TSE
- ISO 9001
- ISO14001
- ISO 45001
- CE

Technic Details

Coating Material				
Standard	EN 10143	EN 10327	EN 10327	
	Material Type	Thickness (mm)	Type	Galvanize (gr/m2)
Top	Galvanized Sheet	0.50-0.45	DX 51	100
Bottom	Galvanized Sheet	0.50 0.35	DX 51	100

Filling Material				
Standard	TS EN 14509	TS EN 12667	TS EN 13501-1	
	Density	Thickness (mm)	Thermal Conductivity	Reaction to Fire (System)
ROCKWOOL	100 kg/m ³	60	0.036 W/m K	A

Surface Coating				
Standard				
POLYESTHER	Back Surface 5 micron	Front Surface primer 5 micron	Front Surface Top 15 micron	Front Surface Total 20 micron
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TEKNİK ÖZELLİKLER			NRPS SS - NRPS STS - NRPS STS-FR																
YALITIM KALINLIĞI			40- 50 - 60 - 70 - 80 - 100 - 120 mm																
AZAMI ISIL İLETKENLİK			POLİÜRETAN 0,019 W / m K - TAŞYÜNE 0,036 W / m K																
YANMAZLIK SINIFI			TS EN 13501-1 NORMLARINA GÖRE POLİÜRETAN B s2 d0 - TAŞYÜNE A2 s1 d0																
YOĞUNLUK			POLİÜRETAN 40 kg/m³ (±2) - TAŞYÜNE 100 kg/m³ (±10) - DOLGU KULAK 130 kg/m³ (±10)																
NRPS SS			YÜK TAŞIMA TABLOSU							NRPS STS - NRPS STS-FR			LİMİT DEĞERİ (L/200)						
YALITIM KALINLIĞI	ÜST SAC	ALT SAC	100	150	200	250	300	350	400	YALITIM KALINLIĞI	ÜST SAC	ALT SAC	100	150	200	250	300	350	400
YAYILI YÜK (P = KG/M²)										YAYILI YÜK (P = KG/M²)									
40	0,50	0,40	702	421	274	178	116	82	61	40	0,50	0,40	428	237	162	131	84	75	52
		0,50	715	442	287	187	121	91	72			0,50	466	262	182	143	95	78	56
50	0,50	0,40	749	463	301	196	127	98	76	50	0,50	0,40	504	287	202	155	104	83	59
		0,50	766	486	316	206	134	107	83			0,50	542	313	222	166	113	86	62
60	0,50	0,40	797	510	331	215	140	116	88	60	0,50	0,40	580	339	242	178	123	91	63
		0,50	818	523	334	226	143	124	96			0,50	618	365	262	189	132	94	66
70	0,50	0,40	844	536	348	232	150	129	102	70	0,50	0,40	654	392	284	201	142	96	67
		0,50	870	562	351	238	163	141	112			0,50	687	419	306	212	151	99	70
80	0,50	0,40	892	575	364	243	167	149	122	80	0,60	0,50	713	435	318	224	161	100	73
		0,50	922	589	382	249	183	157	130			0,60	739	451	329	235	170	103	76
100	0,50	0,40	986	617	401	261	206	183	153	100	0,60	0,50	757	488	358	259	189	110	80
		0,50	1026	648	432	274	223	191	161			0,60	774	525	386	282	208	113	83
120	0,50	0,40	1082	678	441	312	242	217	183	120	0,60	0,50	783	533	392	287	227	121	87
		0,50	1134	712	475	326	261	226	194			0,60	790	547	418	301	246	124	92

* Our products are tested in accordance with the standards in Istanbul Technical University.



This technical data sheet is prepared according to the latest technical information and standards of Nuhpanel Yapı Elemanları Sanayi Ticaret A.Ş. / Gebze, KOCAELİ. Technical changes due to further developments are possible.