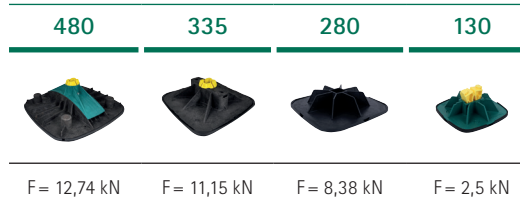


# Walraven Yeti®

## Maximum allowed load according to flat roof insulation

### Walraven Yeti®



Effective load-transferring contact area $A_{\text{eff}}$			
480	335	280	130
0,182 m <sup>2</sup>	0,090 m <sup>2</sup>	0,074 m <sup>2</sup>	0,015 m <sup>2</sup>

Manu- facturer	Product name	Compressive stress acc. to DIN EN 826	Long lasting compressive strength	Com- pression	0,182 m <sup>2</sup>	0,090 m <sup>2</sup>	0,074 m <sup>2</sup>	0,015 m <sup>2</sup>
(-)	(-)	(kN/m <sup>2</sup> )	(kN/m <sup>2</sup> )	(%)	(N)	(N)	(N)	(N)
Deutsche Foamglas® GmbH	Foamglas F	1 600 <sup>1</sup>	380	n/a	12 740	11 150	8 380	2 500
	Foamglas S3	900 <sup>1</sup>	250	n/a	12 454	7 348	6 183	1 915
	Foamglas T4+	600 <sup>1</sup>	190	n/a	12 322	5 593	5 169	1 645
BASF AG	Styrodur® 5000 CS, dx	700 <sup>2</sup>	250	≤ 2,00	12 454	7 348	6 183	1 915
	Styrodur® 4000 CS, ds	500 <sup>2</sup>	180	≤ 2,00	12 300	5 300	5 000	1 600
	Styrodur® 3035 CS, dh	300 <sup>2</sup>	130	≤ 2,00	12 133	4 933	3 900	1 330
	Styrodur® 3000 CS, dh	300 <sup>2</sup>	130	≤ 2,00	12 133	4 933	3 900	1 330
Various manufac- tures	EPS Hard Foam, DAA ds	200 <sup>2</sup>	60	≤ 2,00	10 920	4 420	2 360	900
	EPS Hard Foam, DAA dh	150 <sup>2</sup>	45	≤ 2,00	8 190	4 050	2 030	675
	EPS Hard Foam, DAA dm	100 <sup>2</sup>	30	≤ 2,00	5 460	2 700	1 700	450
	PUR/PIR Hard Foam, DAA dh	100 -150 <sup>2</sup>	20	≤ 2,00	3 640	1 800	1 480	300
Deutsche Rockwool	Solarrock	80 <sup>2</sup>	30	n/a	5 460	2 700	1 700	450
	Hardrock 040/038 Georock 038	70 <sup>2</sup>	20	n/a	3 640	1 800	1 480	300
	Bondrock 040 MV Georock 040 MV	70 <sup>2</sup>	20	n/a	3 640	1 800	1 480	300
	Bitrock	70 <sup>2</sup>	20	n/a	3 640	1 800	1 480	300
	Duorock, Georock 037 (Best,)	70 <sup>2</sup>	15	n/a	2 730	1 350	1 110	-
Knauf Insulation	DDP2-U PLUS 800 / DDP2-U Prem,	70 <sup>2</sup>	20-35 <sup>4</sup>	n/a	3 640	1 980	1 568	525
	SmartRoof Top	70 <sup>2</sup>	22-38 <sup>4</sup>	n/a	4 004	2 160	1 634	570
	DDP-X	90 <sup>2</sup>	26-40 <sup>4</sup>	n/a	4 732	2 610	1 722	600
	Alifix Top	70 <sup>2</sup>	26-40 <sup>4</sup>	n/a	4 732	2 610	1 722	600
	DDP-Max	90 <sup>2</sup>	40-80 <sup>4</sup>	n/a	7 280	4 383	2 360	1 060
	DDP-X with DDP-Max	90 / 90 <sup>2</sup>	35-65 <sup>4</sup>	n/a	6 370	3 600	2 030	975
	SmartRoof Top with DDP-Max	70 / 90 <sup>2</sup>	30-60 <sup>4</sup>	n/a	5 460	3 150	1 920	900
	DDP2-U PLUS 800 with DDP-Max	70 / 90 <sup>2</sup>	30-50 <sup>4</sup>	n/a	5 460	3 150	1 876	750
	DDP2-U Premium with DDP-Max	70 / 90 <sup>2</sup>	30-50 <sup>4</sup>	n/a	5 460	3 150	1 876	750
Isover G+H	Metac FLSP	60 <sup>2</sup>	10	n/a	1 820	900	740	150

<sup>1</sup> Compressive stress  $\sigma$  according to DIN EN 826 Annex A "Deviation from the general test procedure for foam glass products".

<sup>2</sup> Maximum compressive stress  $\sigma_{100\%}$  according to DIN EN 826 "Thermal insulation products for the construction industry - Determination of the behaviour under compressive stress".

<sup>3</sup> According to the manufacturer, the information on loads only applies to static loads, without the influence of vibrations.

<sup>4</sup> Long lasting compressive strength of the flat roof insulation according to the manufacturer's specifications depending on the load-transferring contact area of the mounting base.

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