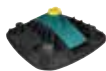


Walraven Yeti®

Maximum allowed load according to flat roof insulation

Walraven Yeti®				Walraven Yeti® Type A				Walraven Yeti® Type A-low	
480	335	280	130	1000	600	400	250	400	250
									
F = 12.74 kN	F = 11.15 kN	F = 8.38 kN	F = 2.5 kN	F = 2.70 kN	F = 2.50 kN	F = 2.00 kN	F = 1.50 kN	F = 2.00 kN	F = 1.50 kN

Manu- facturer	Product name	Compressive stress acc. to DIN EN 826	Long lasting compressive strength	Com- pression	Effective load-transferring contact area A _{eff}									
					0.182 m²	0.090 m²	0.074 m²	0.015 m²	0.083 m²	0.047 m²	0.035 m²	0.024 m²	0.033 m²	0.021 m²
(-)	(-)	(kN/m²)	(kN/m²)	(%)	(N)	(N)	(N)	(N)	(N)	(N)	(N)	(N)	(N)	(N)
Deutsche Foamglas® GmbH	Foamglas F	1,600 ¹	380	n/a	12,740	11,150	8,380	2,500	2,700	2,500	2,000	1,500	2,000	1,500
	Foamglas S3	900 ¹	250	n/a	12,454	7,348	6,183	1,915	2,700	2,500	2,000	1,500	2,000	1,500
	Foamglas T4+	600 ¹	190	n/a	12,322	5,593	5,169	1,645	2,700	2,500	2,000	1,500	2,000	1,500
BASF AG	Styrodur® 5000 CS, dx	700 ²	250	≤ 2,00	12,454	7,348	6,183	1,915	2,700	2,500	2,000	1,500	2,000	1,500
	Styrodur® 4000 CS, ds	500 ²	180	≤ 2,00	12,300	5,300	5,000	1,600	2,700	2,500	2,000	1,500	2,000	1,500
	Styrodur® 3035 CS, dh	300 ²	130	≤ 2,00	12,133	4,933	3,900	1,330	2,700	2,500	2,000	1,500	2,000	1,500
	Styrodur® 3000 CS, dh	300 ²	130	≤ 2,00	12,133	4,933	3,900	1,330	2,700	2,500	2,000	1,500	2,000	1,500
Various manufac- tures	EPS Hard Foam, DAA ds	200 ²	60	≤ 2,00	10,920	4,420	2,360	900	2,700	2,500	2,000	1,440	1,980	1,260
	EPS Hard Foam, DAA dh	150 ²	45	≤ 2,00	8,190	4,050	2,030	675	2,700	2,115	1,575	1,080	1,485	945
	EPS Hard Foam, DAA dm	100 ²	30	≤ 2,00	5,460	2,700	1,700	450	2,490	1,410	1,050	720	990	630
	PUR/PIR Hard Foam, DAA dh	100 -150 ²	20	≤ 2,00	3,640	1,800	1,480	300	1,660	940	700	480	660	420
Deutsche Rockwool	Solarrock	80 ²	30	n/a	5,460	2,700	1,700	450	2,490	1,410	1,050	720	990	630
	Hardrock 040/038 Georock 038	70 ²	20	n/a	3,640	1,800	1,480	300	1,660	940	700	480	660	420
	Bondrock 040 MV Georock 040 MV	70 ²	20	n/a	3,640	1,800	1,480	300	1,660	940	700	480	660	420
	Bitrock	70 ²	20	n/a	3,640	1,800	1,480	300	1,660	940	700	480	660	420
	Duorock, Georock 037 (Best.)	70 ²	15	n/a	2,730	1,350	1,110	-	1,245	705	525	360	495	315
Knauf Insulation	DDP2-U PLUS 800 / DDP2-U Prem,	70 ²	20-35 ⁴	n/a	3,640	1,980	1,568	525	1,660	1,128	1,120	840	1,056	735
	SmartRoof Top	70 ²	22-38 ⁴	n/a	4,004	2,160	1,634	570	1,826	1,269	1,225	912	1,155	798
	DDP-X	90 ²	26-40 ⁴	n/a	4,732	2,610	1,722	600	2,158	1,457	1,295	960	1,221	840
	Alifix Top	70 ²	26-40 ⁴	n/a	4,732	2,610	1,722	600	2,158	1,457	1,295	960	1,221	840
	DDP-Max	90 ²	40-80 ⁴	n/a	7,280	4,383	2,360	1,060	2,700	2,500	2,000	1,500	2,000	1,500
	DDP-X with DDP-Max	90 / 90 ²	35-65 ⁴	n/a	6,370	3,600	2,030	975	2,700	2,115	2,000	1,500	1,980	1,365
	SmartRoof Top with DDP-Max	70 / 90 ²	30-60 ⁴	n/a	5,460	3,150	1,920	900	2,490	1,880	1,820	1,440	1,716	1,260
	DDP2-U PLUS 800 with DDP-Max	70 / 90 ²	30-50 ⁴	n/a	5,460	3,150	1,876	750	2,490	1,786	1,575	1,200	1,485	1,050
	DDP2-U Premium with DDP-Max	70 / 90 ²	30-50 ⁴	n/a	5,460	3,150	1,876	750	2,490	1,786	1,575	1,200	1,485	1,050
	Metac FLSP	60 ²	10	n/a	1,820	900	740	150	830	470	350	240	330	210

¹ Compressive stress σ according to DIN EN 826 Annex A "Deviation from the general test procedure for foam glass products".

² Maximum compressive stress $\sigma_{10\%}$ according to DIN EN 826 "Thermal insulation products for the construction industry - Determination of the behaviour under compressive stress".

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

⁴ 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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