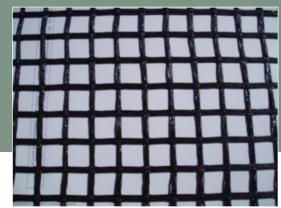


Verdagrid G Woven Polyester **Geogrid Specification Sheet**



Verdagrid G Woven Polyester Geogrid with PVC coating, used for reinforced soil structures and basal reinforcement and also dry laid concrete retaining walls.

Production method		Woven grid made of high tenacity PET yarn with PVC coating																			
Product designation			20/20	35/20	35/35	40/40	55/30	55/55	65/20	65/30	65/65	80/30	80/80	110/30	110/110	150/30	150/50	150/150	200/50	200/50 A	300/50
Mesh size	ISO 4648	mm x mm	35x35	20x20	35x35	35x35	20x20	35x35	20x20	35x35	35x35/20x20	20x20	20x20	20x20	20x20	20x20	20x20	20x20	20x20	20x20	20x20
Tensile strength	MD min.	kN/m	25 (-5)	40 (-5)	40 (-5)	45 (-5)	60 (-5)	60 (-5)	70 (-5)	70 (-5)	75 (-10)	90 (-10)	90 (-10)	130 (-20)	130 (-20)	170 (-20)	170 (-20)	170 (-20)	220 (-20)	200 (-50)	330 (-30)
EN ISO 10319	CD min.	kN/m	25 (-5)	25 (-5)	40 (-5)	45 (-5)	35 (-5)	60 (-5)	25 (-5)	35 (-5)	75 (-10)	35 (-5)	90 (-10)	35 (-5)	130 (-20)	35 (-5)	55 (-5)	170 (-20)	55 (-5)	55 (-5)	55 (-5)
Elongation at break	MD	%	12,5 <i>±2,5</i>	12,5 <i>±2,5</i>	12,5 <i>±2,5</i>	12,5 <i>±2,5</i>	13 <i>±2,5</i>	13 <i>±2,5</i>	13 <i>±2,5</i>	13 <i>±2,5</i>	12,5 <i>±2,5</i>	12,5 ±3,5	13 <i>±2,5</i>	13 <i>±2,5</i>	13 <i>±2,5</i>	13 <i>±2,5</i>	13 ±2,5	14 ± 3	18 <i>±3</i>	18 <i>±3</i>	14 ±3
EN ISO 10319	CD	%	12,5 <i>±2,5</i>	12,5 <i>±2,5</i>	12,5 <i>±2,5</i>	12,5 <i>±2,5</i>	13 <i>±2,5</i>	13 <i>±2,5</i>	13 <i>±2,5</i>	13 <i>±2,5</i>	12,5 <i>±2,5</i>	12,5 <i>±3,5</i>	13 <i>±2,5</i>	14 ± 3	13 <i>±2,5</i>	13 <i>±2,5</i>	13 <i>±2,5</i>				
	at 2% MD	kN/m	≥5,2	≥9	≥7	≥7,5	≥11	≥11,5	≥12	≥12	≥12	≥14	≥14	≥22	≥18	≥24	≥24	≥25	≥34	≥30	≥52
	at 2% CD	kN/m	≥3,5	≥4	≥7	≥8	≥6	≥10	≥4	≥4	≥12	≥6	≥14	≥5	≥18	≥3	≥6	≥23	≥6	≥6	≥6
Tensile strength	at 3% MD	kN/m	≥6,5	≥11	≥8	≥10	≥13,5	≥14	≥15	≥15	≥14	≥17	≥17	≥27	≥23	≥28	≥28	≥28	≥40	≥40	≥60
EN ISO 10319	at 3% CD	kN/m	≥4,5	≥5	≥8	≥10	≥7,5	≥12	≥5	≥5	≥14	≥7	≥17	≥7	≥23	≥5	≥9	≥28	≥10	≥10	≥10
	at 5% MD	kN/m	≥9	≥17	≥11	≥14	≥17	≥19	≥30	≥20	≥20	≥20	≥20	≥33	≥27	≥32	≥32	≥33	≥50	≥50	≥70
	at 5% CD	kN/m	≥5,5	≥7	≥10,5	≥14	≥10,5	≥16	≥7	≥9	≥20	≥10	≥20	≥9	≥27	≥8	≥13	≥33	≥13	≥13	≥13
Weight approx.	EN 965	g/m²	185±30	220±35	230±35	300±40	340±50	390±50	320±50	340±50	460±70	370±50	570±100	580±100	790±150	650±150	660±150	1100 ±200	1100±200	960±100	1330±200
Form of supply			rolls																		
Width		m	5																		
Length standard		m	100																		
Area		m ²		500																	
Diameter of the roll		m	0.30	0.35	0.35	0.35	0.40	0.40	0.40	0.40	0.40	0.45	0.50	0.50	0.55	0.55	0.55	0.60	0.60	0.60	0.65
Weight of the roll		kg	117	127	132	157	187	212	197	207	247	202	312	307	442	342	347	560	560	535	680
Loading capacity	Lorry	85m³	88	70	70	70	52	52	52	52	52	34	34	34	20	20	20	20	20	20	20
(rolls)	JUMBO	120m³	94	76	76	76	58	58	58	58	58	40	40	40	20	20	20	20	20	20	20











