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Lampiran 1 Pembacaan Penurunan Tanah Arah X

Jarak antar titik	Titik Pengukuran	Elevasi Awal Model	Hybrid Pile PGA= 0.3g	Cerucuk kayu PGA= 0.3g	Tanpa perkuatan PGA= 0.3g
0	1k	52.4	52.1	51.4	51
5	2k	52.6	52.1	51.6	51.2
10	3k	52.4	52.4	52	51.5
15	4k	52.8	52.1	52.2	51.7
20	5k	57.4	55.7	52.8	52.1
25	6k	61.1	61.5	57.7	53.2
30	7k	65.9	65.4	63.7	59
35	8k	65.9	65.5	63.6	57.8
40	9k	65.8	65.6	63.5	57.6
45	10k	66	65.7	63.6	57
50	11k	66.1	65.6	63.6	57
55	12k	66.2	65.9	63.5	56.8
60	13k	66.3	65.8	63	57.2
65	14k	66.3	65.8	63.2	57.2
70	15k	66.2	65.8	63.2	57.1
75	16k	66.3	65.9	63	57.1
80	17k	66.2	65.8	62.7	57.5
85	18k	66.3	66	62.9	57.5
90	19k	66.5	66	62.6	57.8
95	20k	61.6	60.5	57.2	52.2
100	21k	56	57.1	51.3	51.9
105	22k	53	52.6	50.5	50.6
110	23k	53.1	52.4	49	50.8
115	24k	53.1	52.1	50.5	50.7
120	25k	53.2	52.6	50.6	50.6
Rata-Rata		66.15	65.75	63.24	57.43

Lampiran 2 Pembacaan Penurunan Tanah Arah Y

Titik Pengukuran	Elevasi Awal Model	Hybrid Pile PGA= 0.3g	Cerucuk kayu PGA= 0.3g	Tanpa perkuatan PGA= 0.3g
12	52.8	52.5	51.6	49.7
12A	52.7	52.4	51.7	49.8
12B	52.7	52.5	51.7	50
12C	52.7	52.6	52	51.2
12D	56.6	57	52.5	51.6
12E	62.9	62.3	57.4	55
12E	66	65.8	63.5	59.5
12F	66	65.8	63.5	58.9
12G	66.1	65.7	63.5	57.8
12H	66.2	65.9	63.5	56.8
12I	66.2	65.9	63.5	56.2
12J	66.1	65.7	63.5	56.6
12K	66.1	65.8	63.6	56.2
12L	66.1	65.7	63.5	57.8
12M	66.1	65.6	63.5	58.6
12N	63.5	63.1	57.7	53.2
12O	58.8	58.5	52.5	52.5
12P	54.2	53.6	51.7	51.7
12R	53.7	52.5	51.6	50.5
12S	53.4	53.4	51.5	50.2
12T	52.8	52.3	51.6	50.2
Rata-rata	66.10	65.77	63.51	57.60

Lampiran 3 Spesifikasi PVD

CeTeau-Drain CT-D822

Drain Body

Extrusion profile of 100% polypropylene with the following important properties:

- environmental safe
- large water flow capacity
- flexible
- high tensile strength and toughness
- inert to natural occurring acids alkalis and salt
- workable and easy to handle at low temperatures
- no wet shrinkage or growth

Filter Jacket

Nonwoven fabric of 100% polyester without any binders, with the following important properties:

- balanced strength in both directions
- high tensile strength and toughness
- no wet shrinkage or growth
- good resistance to rot, moisture and insects
- high water permeability
- inert to natural occurring acids, alkalis and salt
- excellent filtration characteristics
- tear, burst and puncture resistant
- environmental safe

Physical properties		Unit	CT-D822
Drain Body	Configuration	-	
	Material	-	PP
	Colour	-	white
Filter Jacket	Material	-	PET
	Colour	-	grey
Assembled Drain	Weight	g/m	75
	Width	mm	100
	Thickness	mm	4

Mechanical properties	Symbol	Test	Unit	CT-D822
Filter Jacket				
Grab Tensile Strength	F	ASTM D4632	N	480
Elongation	ε	ASTM D4632	%	32
Tear Strength		ASTM D4533	N	120
Pore Size	O_d	ASTM D4751	μm	< 75
Permeability	k	ASTM D4491	m/s	> 1.0×10^{-4}
Assembled Drain				
Tensile Strength	F	ASTM D4595	kN	2.75
Elongation at break	ε	ASTM D4595	%	40
Strength at 10% elongation	F	ASTM D4595	kN	2.2
Elongation at 1 kN tensile strength	c	ASTM D4595	%	1.5
Discharge capacity at 100 kPa	q_s	ASTM D4716	m ³ /s	158×10^{-3}
Discharge capacity at 150 kPa	q_s	ASTM D4716	m ³ /s	157×10^{-3}
Discharge capacity at 200 kPa	q_s	ASTM D4716	m ³ /s	155×10^{-3}
Discharge capacity at 250 kPa	q_s	ASTM D4716	m ³ /s	150×10^{-3}
Discharge capacity at 300 kPa	q_s	ASTM D4716	m ³ /s	141×10^{-3}
Discharge capacity at 350 kPa	q_s	ASTM D4716	m ³ /s	135×10^{-3}

Transport details		Unit	CT-D822
Roll length		m	250
Outside diameter roll		m	1.10
Inside diameter roll		m	0.15
Weight roll		kg	20
40ft container		m	125,000

All information, illustrations and specifications are based on the latest product information available at the time of printing. The right is reserved to make changes at any time without notice.
All mechanical properties are average values. Standard variations in mechanical strength of 10% and in hydraulic flow and pore size of 20% have to be allowed for.

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Lampiran 4 Dokumentasi









