

April 2020

FW-22 (Face Wrap - 22) is a geosynthetic reinforcement product for the face wrap of steep slope earth structures. Manufactured with polyester thread coated in PVC, the precision knitted geogrid provides a mesh structure for both erosion protection and space for vegetation to grow. The mesh is engineered to be both mechanically and chemically durable inert to biological degradation and resistant to naturally encountered soils. Imported.

Minimum Average Roll Values (MARV)

		<u>MD</u>		<u>CMD</u>	
STRENGTH	Ultimate Strength (T_{Ult})	1,505	(22.0)	1,505	(22.0)
	ASTM D 4595-lb/ft (kN/m)				
	Creep Limited Strength	941	(13.8)	941	(13.8)
	Durability Reduction Factor, RF_D	1.10	1.10	1.10	1.10
	Installation Damage ($RF_{Installation\ Damage}$)				
	Sand, Silt, Clay	1.05	1.05	1.05	1.05
LTDS GRI GG4-lb/ft(kN/m) MD					
	Sand, Silt, Clay	814	(12.0)	814	(12.0)
GEOMETRY					
	Aperture Size Inches (mm)	0.10	(2.5)	0.10	(2.5)
COLOR		Green		Green	
WEIGHT					
	ASTM D4632 - oz/yd ² (kg/m ²)	7.4	(0.25)		
ROLL SIZE					
	Width feet(m)	8.0	(2.44)		
	Length feet(m)	225	(68.6)		
	Area sq.yards(m ²)	200	(167)		
	Weight lbs(KGS)	92	(42)		

WHERE:

MD = Machine Direction, running along roll length

CMD = Cross Machine Direction, running across the roll length

MARV = Lot average minus 2 times the standard deviation

LTDS = Long Term Design Strength = $T_{Ult} / RF_{Creep} \times RF_{Installation\ Damage} \times RF_{Durability}$

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