

FW-24

REINFORCED SLOPE FACE WRAP Product Data Sheet

Sept 2018

FW-24 (Face Wrap - 24) is a geosynthetic reinforcement product for the face wrap of steep slope earth structures. Manufactured with polypropylene monofilament thread, the woven geotextile 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. Ultraviolet inhibitors are incorporated into the thread manufacturer to provide one of the most UV resistant face wraps in the market. Made in the U.S.A.

Minimum Average Roll Values (MARV)

		<u>MD</u>		<u>CMD</u>	
STRENGTH	Ultimate Strength (T_{Ult})	1,764	(25.8)	1,884	(27.5)
	ASTM D 4595-lb/ft (kN/m)				
	Creep Limited Strength	441	(6.45)	471	(6.88)
	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	382	(5.58)	408	(5.95)
GEOMETRY					
Aperture Size Inches (mm)		0.12	(3.0)	0.10	(2.5)
		Green		Black	
UV RESISTANCE (3,000 hours)		99%		100%	
ASTM D4355					
DESIGN LIFE			75 years		
WEIGHT					
ASTM D4632 - oz/yd ² (kg/m ²)		5.6	(0.19)		
ROLL SIZE	Width feet(m)	8.0	(2.44)		
	Length feet(m)	270	(100)		
	Area sq.yards(m ²)	240	(201)		
	Weight lbs(KGS)	105	(47.7)		

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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PH 678.594.3451