



# REINFORCED SLOPE FACE WRAP

## Product Data Sheet

FW 24 (Face Wrap) 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. Made in the U.S.A.

### Minimum Average Roll Values (MARV)

	<u>MD</u>		<u>CMD</u>	
<b>STRENGTH</b>				
<b>Ultimate Strength (<math>T_{Ult}</math>)</b>	1,764	(25.8)	1,884	(27.5)
ASTM D 4595-lb/ft (kN/m)				
<b>Creep Limited Strength</b>	441	(6.45)	471	(6.88)
<b>Durability Reduction Factor, <math>RF_D</math></b>	1.10	1.10	1.10	1.10
<b>Installation Damage (<math>RF_{Installation\ Damage}</math>)</b>				
Sand, Silt, Clay	1.05	1.05	1.05	1.05
<b>LTDS GRI GG4-lb/ft(kN/m) MD</b>				
Sand, Silt, Clay	382	(5.58)	408	(5.95)
<b>GEOMETRY</b>				
<b>Aperture Size Inches (mm)</b>	0.12	(3.0)	0.10	(2.5)
<b>COLOR</b>				
	Green		Black	
<b>UV RESISTANCE</b>				
ASTM D4355	95% retained at 500 hours			
<b>WEIGHT</b>				
ASTM D4632 - oz/yd <sup>2</sup> (kg/m <sup>2</sup> )	5.6		(0.19)	
<b>ROLL SIZE</b>				
Width feet(m)	8.0		(2.44)	
Length feet(m)	270		(100)	
Area sq.yards(m <sup>2</sup> )	240		(201)	
Weight lbs(KGS)	57		(26)	

**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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Marietta, GA 30064 | PH 770.378.5012

earthwallproducts.com