

# FW-24

## REINFORCED SLOPE FACE WRAP Product Data Sheet

April 2020

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>	
<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 (3,000 hours)</b>		99%		100%	
	ASTM D4355				
<b>DESIGN LIFE</b>			75 years		
<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)	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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