

PRODUCT SPECIFICATIONS

MulchMax

Site Armouring & Vegetation Establishment

Nilex MulchMax Ultra

Property	Test	Unit	Value
Testing Results			
Slope	ASTM-D6459	ratio	2.5:1
Coverage	ASTM-D6459	kg/ha lbs/acre	3,920 (3,500)
Rainfall¹	ASTM-D6459	cm/hour (in)/hour	5/10/15 2/4/6
Storm Duration	ASTM-D6459	minutes	60
Sediment Runoff Reduction	ASTM-D6459	%	99
Cover Factor²	ASTM-D6459	C	0.003
Application Rate³			
3:1 to 2.5:1	—	kg/ha lbs/acre	4,000 (3,570)
2.5:1 to 1:1	—	kg/ha lbs/acre	4,500 (4,020)
1:1	—	kg/ha lbs/acre	5,000 (4,460)
Composition⁴			
Proprietary Recycled Agricultural Fiber/Wood Cellulose/Wood Fiber Blend		%	78 ±3
Cross-linked Hydro-Colloid Tackifier		%	10 ±1
Moisture Content		%	12 ±3

¹ Rainfall is based off of a one in ten year storm of 2 inch (5 cm)/hour, 4 inch (10 cm)/hour, and 6 inch (15 cm)/hour within total storm duration of 60 minutes.

² For cumulative R factor < 231.

³ Slope length equal to 15 m (50') or less.

⁴ Field mixing of MulchMax components is not acceptable.

Recommended Application Rate

4,000 to 5,000 kg/ha (3,570 to 4,460 lbs/acre), depending on the slope conditions, grading method, ground moisture, and ground coverage requirements according to project specifications. For areas of unique weather, such as heavy rain or sustained high winds, increase loading by 20% or more. Consult with Nilex regarding robust and challenging armourings.

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Technical Information

Nilex's MulchMax Ultra is manufactured from the agricultural, wood cellulose, and wood fibres. MulchMax Ultra provides erosion control and rapid vegetation establishment on the steepest slopes. The fibers are woven into an intricate soil stabilizing formula. MulchMax Ultra breaks down over time, allowing for long term erosion protection. MulchMax Ultra is a cost-effective, one-step application that uses 20% less water in mixing than wood mulch BFM's.

Typical Applications

Hydro-Seeding and Extreme Erosion Control for:

- Forest Fire Reclamation
- Golf Courses
- Pipelines
- Highways
- Mine Reclamation

Installation

Nilex MulchMax Ultra should be applied following the manufacturer's recommendations. When possible, MulchMax Ultra should be applied in a one-step process from opposing directions to ensure minimum ground coverage of 95%. Only mechanical agitated hydromulching machines in good working condition should be used to apply MulchMax Ultra. In addition to using MulchMax Ultra, the use of slope interruption and/or water diversion BMPs is recommended for slopes that are more than 15 metres (50 feet) in length.

Refer to the MulchMax Mixing Instructions to ensure proper mixing and optimal product performance.

Cure Time

Nilex MulchMax Ultra begins to provide protection against sediment movement immediately after application but an appropriate cure time is necessary for maximum effectiveness. A cure time of 24 hours is required for the mulch matrix to achieve maximum effectiveness.

Contact

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