



# Profile® Cellulose Hydraulic Mulch



**GREEN DESIGN ENGINEERING™**  
EARTH-FRIENDLY SOLUTIONS  
FOR SUSTAINABLE RESULTS™

Solutions for your Environment™

## Description

Profile® Cellulose is a fully biodegradable, Hydraulic Mulch (HM) composed of 100% recycled cellulose fibers. The HM is phytosanitized, free from plastic netting, and upon application forms an intimate bond with the soil surface to create a porous, absorbent and flexible erosion resistant blanket that allows for rapid germination and accelerated plant growth.

## Recommended Applications

- Erosion control and revegetation for mild slopes ( $\leq 4H:1V$ )
- Rough graded slopes
- Enhancement of vegetation establishment

## Technical Data

Physical Properties*	Test Method	Units	Tested Value
Mass/Unit Area	ASTM D6566	$g/m^2$ (oz/yd <sup>2</sup> )	$\geq 224$ (6.6)
Water Holding Capacity	ASTM D7367	%	$\geq 1,000$
Material Color	Observed	n/a	Green
Performance Properties*	Test Method	Units	Tested Value
Cover Factor <sup>1</sup>	Large Scale <sup>2</sup>	n/a	$\leq 0.55$
Percent Effectiveness <sup>3</sup>	Large Scale <sup>2</sup>	%	$\geq 45$
Functional Longevity <sup>4</sup>	ASTM D5338	Months	$\leq 3$
Environmental Properties*	Test Method	Units	Tested Value
Ecotoxicity	EPA 2021.0	%	48-hr LC <sub>50</sub> > 100%
Biodegradability	ASTM D5338	n/a	Yes
Product Composition			Typical Value
Cellulose Fibers			100%

\* When uniformly applied at a rate of 2000 pounds per acre (2250 kilograms/hectare) under laboratory conditions. 1. Cover Factor is calculated as soil loss ratio of treated surface versus an untreated control surface. 2. Large scale testing conducted at Utah Water Research Laboratory. For specific testing information please contact a Profile technical service representative at 800-508-8681 or +1-847-215-3464. 3. % Effectiveness = One minus Cover Factor multiplied by 100%. 4. Functional Longevity is the estimated time period, based upon ASTM D5338 testing and field observations, that a material can be anticipated to provide erosion control and agronomic benefits as influenced by composition, as well as site-specific conditions, including; but not limited to – temperature, moisture, light conditions, soils, biological activity, vegetative establishment and other environmental factors.

## Packaging Data

Properties	Test Method	Units	Nominal Value
Bag Weight	Scale	kg (lb)	22.7 (50)
Bags per Pallet	Observed	#	40

UV and weather-resistant plastic bags. Pallets are weather-proof stretch wrapped with UV resistant pallet cover.

## Profile Products

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