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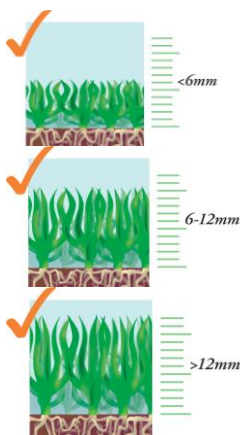
Greenmaster® Topdress Z

New packaging Q2 2012

Brand description
Greenmaster Topdress Z is a fine particle-sized topdressing material (0.5-1.0mm) that is based on the Pro-Lite technology. This product has an open cage structure with a very high nutrient holding capacity making it ideal for use as an amendment to new rootzones or in topdressing.

Product advantages
1. Improves nutrient holding capacity of soil due to high Cation Exchange Capacity (CEC).
2. Ideal additive when incorporated into new root zone constructions.
3. Ideal topdressing for use during main growing season and especially during over-seeding.
4. Contains low level of Potassium, Calcium and Magnesium to harden turf in stressful conditions.
5. Increases porosity of soil leading to improved water holding in free draining soil, while at same time improving infiltration and drainage in heavy soils.
6. When mixed with sand, it helps to dry the mix and aid spreadability.
7. Aids thatch control when used as part of integrated programme.

Technology

Poly-S	Pace	TMax	Mu$_2$	Silk	Pro-Lite

Use

Green	Tee	Fairway	Sportsfield	Amenity
✓✓	✓✓	✓✓	✓✓	✓✓

Recommended Period for use

J	F	M	A	M	J	J	A	S	O	N	D

Performance*
Product dispersal: n/a
Turf response: immediate
Longevity: maintenance topdressing according
                       to turf requirements
depending on environmental factors

Product characteristics
Bag size: 25kg
Application Rate: aim to incorporate at 10-20% by volume
Bag coverage: variable according to rate
Particle size: 0.5 - 1.0mm
Granule count: 1,100 – 2,000 granules/gram

PRO-LITE

<6mm

6-12mm

>12mm

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Nutrient levels applied (kg/ha)

100 g/m²			500 g/m²		
K	CaO	MgO	K	CaO	Mg0
24	34	14	120	170	70

Directions for use

- Apply as a pure topdressing or mix with standard sand topdressing or rootzone material for construction.
- Apply following aeration to improve incorporation and enhance performance.
- Brushing afterwards will aid dispersion and incorporation into the sward.
- Light irrigation following brushing will help to settle product in.
- For topdressing, a little and often approach will ensure a uniform and consistent rootzone.

Storage

Keep away from heat and sources of ignition. Keep away from food, drink and animal feeding stuffs. For quality reasons: Keep out of reach of direct sunlight, store under dry conditions, partly used bags should be closed well. Keep at temperatures between 0°C and 40°C.

Health & Safety

A Material Safety Data Sheet is available on request.

New Construction

Root Zone Depth (cm)	ProSelect Topdressing incorporate rate (%)	Quanity required (kg)	
		1m²	500m²
10	5%	3.8	1,875
	10%	7.5	3,750
	20%	15.0	7,500
20	5%	7.5	3,750
	10%	15.0	7,500
	20%	30.0	15,000
30	5%	11.3	5,625
	10%	22.5	11,250
	20%	45.0	22,500

Product Composition

2.4%   Potassium oxide (K_2O)
3.4%   Calcium Oxide (CaO)
1.4%   Magnesium oxide (MgO)
CEC   1.5-1.8 meq/g (150-180 meq/100g)
Bulk Density   0.75MT/m3 (0.75kg/L)

Name	Particle Diameter (mm)	Topdress Z	USGA Guideline
Fine Gravel	2.0-3.4		Not more than 10% of the total particles in this range (inc max 3% fine gravel)
Very coarse sand	1.0-2.0		
Coarse sand	0.5-1.0	100%	Minimum of 50% of the particles must fall in this range
Medium sand	0.25-0.5		
Fine sand	0.15-0.50		Not more than 20% of the particle may fall within this range
Very find sand	0.05-0.15		Not more than 5%
Silt	0.002-0.05		Not more than 5%
Clay	<0.002		Not more than 3%
Total fines	<0.15		Less than or equal to 10%

	Topdress Z	USGA Guideline
Total Porosity	49.3%	35%-55%
Air-filled Porosity		15%-30%
Capillary Porosity		15%-25%
Saturated Conductivity		15-30cm/hr (normal) 30-60cm/hr (accelerated)

Top Dressing

Aim to incorporate Topdress Z into standard topdressing material at 10-20% by volume and apply as normal.

Spreader Settings

Spreader type	Application method	Cone setting	Spreader width (m)	Application rate (g/m²)				
				30	60	90	120	240
Rotary Spreader SR-2000 or Accupro 2000	1x pass	7	3.0	O	T ½	R (x2)	T½ (x2)	T½ (x4)

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