NORTH AMERICAN GREEN®

A tensar Company

HYDRA MATRICX™

HIGH-PERFORMANCE HYDRAULIC EROSION CONTROL PRODUCTS

Installation and Application Guide

SUBSTRATE AND SEEDBED PREPARATIONS

1. Examine substrates and conditions where materials will be applied. Apply product to geotechnically stable slopes.

INSTALLATION

Strictly comply with manufacturer's installation instructions and recommendations. For optimum pumping and application performance use approved mechanically agitated, hydraulic seeding/mulching machines. Apply HydraMatriCx Mulch from opposing directions to achieve maximum soil coverage.

MIXING

1. Fill tank of a mechanically agitated hydroseeding machine with sufficient water to suspend seed and fertilizers
2. Add all soil amendments (seed, fertilizer, etc)
3. Continue adding water slowly while adding the HydraMatriCx Mulch at a steady rate.
4. Consult application and loading charts to determine the proper application rates. Mix at a rate of 50 lbs of HydraMatriCx Mulch per 100 gallons of water. Confirm loading rates with equipment manufacturer.
5. All mulch should be loaded when the tank is approximately ¾ full.
6. Agitate for a minimum of ten minutes after adding the last amount of the mulch.

APPLICATION

1. Apply the HydraMatriCx Mulch from opposing direction to soil surface to ensure complete coverage of all irregular soil surfaces. Irregular surfaces may need slightly higher application rates to obtain adequate coverage.
2. Apply materials at the following minimum application rate:

HydraCM Application Rates*

Condition	Rate (English)	Rate (SI)
2:1	4000 lbs/ac	4500 kg/ha
≥ 3:1 and < 2:1	3500 lbs/ac	3900 kg/ha
≥ 4:1 and < 3:1	3000 lbs/ac	3400 kg/ha
< 4:1	2500 lbs/ac	2800 kg/ha

HydraCX^2 Application Rates

Condition	Rate (English)	Rate (SI)
≥ 1:1	4500 lbs/ac	5100 kg/ha
≥ 2:1 and < 1:1	4000 lbs/ac	4500 kg/ha
≥ 3:1 and < 2:1	3500 lbs/ac	3900 kg/ha
< 3:1	3000 lbs/ac	3400 kg/ha

*HydraCM is for moderate applications only

3. Material should not be applied in channels, swales, or other areas where concentrated flows are anticipated, unless installed in conjunction with a temporary erosion control blanket or permanent turf reinforcement mat.

CLEANING AND PROTECTION

Clean equipment properly after use of this product. Clean spills promptly. Do not allow foot traffic or grazing on treated areas until vegetated. Be cautious of slippery surfaces while applying.

Warning: Do not store near an open flame or heat source. Use caution when stacking units.

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HydraCM Steep Slope Matrix Loading Chart

No. 50 lbs bales	Mulch lbs	Water (gals)	Working Capacity	1500 lbs/acre		2500 lbs/acre		3000 lbs/acre		3500 lbs/acre		4000 lbs/acre	
				Sq Ft	Acres	Sq Ft	Acres	Sq Ft	Acres	Sq Ft	Acres	Sq Ft	Acres
1	50	100	115	1452	0.033	871	0.020	726	0.017	622	0.014	545	0.013
2	100	200	230	2904	0.067	1742	0.040	1452	0.033	1245	0.029	1089	0.025
3	150	300	345	4356	0.100	2614	0.060	2178	0.050	1867	0.043	1634	0.038
4	200	400	460	5808	0.133	3485	0.080	2904	0.067	2489	0.057	2178	0.050
5	250	500	575	7260	0.167	4356	0.100	3630	0.083	3111	0.071	2723	0.063
6	300	600	690	8712	0.200	5227	0.120	4356	0.100	3734	0.086	3267	0.075
7	350	700	805	10164	0.233	6098	0.140	5082	0.117	4356	0.100	3812	0.088
8	400	800	920	11616	0.267	6970	0.160	5808	0.133	4978	0.114	4356	0.100
9	450	900	1035	13068	0.300	7841	0.180	6534	0.150	5601	0.129	4901	0.113
10	500	1000	1150	14520	0.333	8712	0.200	7260	0.167	6223	0.143	5445	0.125
15	750	1500	1725	21780	0.500	13068	0.300	10890	0.250	9334	0.214	8168	0.188
20	1000	2000	2300	29040	0.667	17424	0.400	14520	0.333	12446	0.286	10890	0.250
25	1250	2500	2875	36300	0.833	21780	0.500	18150	0.417	15557	0.357	13613	0.313
30	1500	3000	3450	43560	1.000	26136	0.600	21780	0.500	18669	0.429	16335	0.375
35	1750	3500	4025	50820	1.167	30492	0.700	25410	0.583	21780	0.500	19058	0.438
40	2000	4000	4600	58080	1.333	34848	0.800	29040	0.667	24891	0.571	21780	0.500

HydraCX2 Extreme Slope Matrix Loading Chart

No. 50 lbs bales	HydraCX2 lbs	Water (gals)	Working Capacity Displacement (gals)	3000 lbs/acre		3500 lbs/acre		4000 lbs/acre		4500 lbs/acre	
				Sq Ft	Acres	3500 lbs/ac Sq Ft	Acres	4000 lbs/ac Sq Ft	Acres	4500 lbs/ac Sq Ft	Acres
1	50	100	115	726	0.017	622	0.014	545	0.013	484	0.011
2	100	200	230	1452	0.033	1245	0.029	1089	0.025	968	0.022
3	150	300	345	2178	0.050	1867	0.043	1634	0.038	1452	0.033
4	200	400	460	2904	0.067	2489	0.057	2178	0.050	1936	0.044
5	250	500	575	3630	0.083	3111	0.071	2723	0.063	2420	0.056
6	300	600	690	4356	0.100	3734	0.086	3267	0.075	2904	0.067
7	350	700	805	5082	0.117	4356	0.100	3812	0.088	3388	0.078
8	400	800	920	5808	0.133	4978	0.114	4356	0.100	3872	0.089
9	450	900	1035	6534	0.150	5601	0.129	4901	0.113	4356	0.100
10	500	1000	1150	7260	0.167	6223	0.143	5445	0.125	4840	0.111
15	750	1500	1725	10890	0.250	9334	0.214	8168	0.188	7260	0.167
20	1000	2000	2300	14520	0.333	12446	0.286	10890	0.250	9680	0.222
25	1250	2500	2875	18150	0.417	15557	0.357	13613	0.313	12100	0.278
30	1500	3000	3450	21780	0.500	18669	0.429	16335	0.375	14520	0.333
35	1750	3500	4025	25410	0.583	21780	0.500	19058	0.438	16940	0.389
40	2000	4000	4600	29040	0.667	24891	0.571	21780	0.500	19360	0.444

*** Extremely rough grades will require higher application rates * Be sure to allow for residual material in tank on subsequent applications**