



BYRON, CA

HORSE ARENA SAND

January 2020



TECHNICAL DATA

FEATURES AND BENEFITS

Byron sands are 100% natural, water-washed and graded into a blend of particle sizes. The sand is sub-angular, providing superior cushioning and stability. HA-4010 is kiln-dried and screened to provide a narrower particle size distribution. HA-4 provides a broader particle size distribution. Both products are screened to remove large particles and offer a consistent and uniform footing matrix.

PARTICLE SIZE ANALYSIS AND PROPERTIES

Estimated mean values.

	MESH (ASTM E-11)	HA-4010 Horse Arena	HA-4 Arena Sand
Typical Mean % Retained on Individual Sieves	10 (2.00 mm)	---	---
	20 (.850 mm)	0	0.2 – 0.4
	30 (.600 mm)	1 – 10	2 – 3
	40 (.425 mm)	8 – 30	9 – 15
	50 (.300 mm)	18 – 30	22 – 25
	70 (.212 mm)	12 – 26	20 – 25
	100 (.150 mm)	6 – 20	15 – 25
	140 (.106 mm)	4 – 12	10 – 15
	200 (.075 mm)	1 – 6	4 – 6
	270 (.053 mm)	0.1 – 2	1.0 – 1.5
	Typical Moisture Content:		<0.50

Grain Shape:	Subangular
pH:	6.5-7.5 (Neutral)
Bulk Density (g/cm ³):	1.50 Mean Percent by Weight
Soluble Salts (mmhos/cm):	<0.1

CHEMICAL ANALYSIS (% dry weight basis)		
Mean Values. These Do Not Represent A Specification		
		HA-4010/HA-4
Silicon dioxide	(SiO ₂)	91 – 95
Iron oxide	(Fe ₂ O ₃)	0.09 – 0.20
Aluminum oxide	(Al ₂ O ₃)	2.5 – 4.5
Sodium oxide	(Na ₂ O)	0.10 – 0.4
Loss on Ignition	(L.O.I.)	0.18 – 0.45

ORDERING INFORMATION

Shipping Point: BYRON, CA
Availability: BULK, SUPER SACKS

GRADE NUMBERS INDICATE RELATIVE OR RESULTS. THEY ARE NOT A SPECIFICATION OR WARRANTY OF PERFORMANCE.

HEALTH HAZARD WARNING: Prolonged inhalation of dust associated with the materials described in this data sheet can cause delayed lung injury including Silicosis, a progressive, disabling and sometimes fatal lung disease. IARC has determined that crystalline silica, inhaled from occupational sources, can cause cancer in humans. Risk of injury is dependent on the duration and level of exposure. Follow OSHA or other relevant safety and health standards for the form of crystalline silica called Quartz. Current material safety data sheets, containing safety information, are available and should be consulted before usage.