

# ***SPECIAL GRADED SAND AND GRAVEL INDUSTRIAL AND COMMERCIAL***

**AGGREGATE**

**INDUSTRIAL**

## ***MANUFACTURER:***

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## ***PRODUCT DESCRIPTION:***

Our high purity, high silica, sands and gravels are a natural product of the Ice Age. The sand is sub angular and comes in many grades, meeting different specification standards and ASTM designations.

## ***USES:***

- ▶ Epoxy Systems
- ▶ Cement Mixes and Masonry Mixes
- ▶ Landscape and Decoration
- ▶ Base material under slabs and pools
- ▶ Drainage Base
- ▶ Roofing
- ▶ Sand boxes
- ▶ Ice and Snow Traction
- ▶ Pool Filters
- ▶ Weight Sand
- ▶ Traction Grit

## ***ADVANTAGES:***

- ▶ Washed, Dried and Graded
- ▶ All Natural
- ▶ High Purity, High Silica
- ▶ Meets multiple ASTM specifications

## ***COVERAGE:***

100 pounds of sand is approximately 1 cubic foot, 1' x 1' x 1'.

50 LB will yield 6 ft<sup>2</sup> at 1" deep

## ***PACKAGING:***

Available in 80 and 50 pound multi-wall paper bags. Also available in 50 LB plastic bags.

## ***COLOR:***

All our sands and gravels are a light yellowish-tan color except for the White Sand.

## ***TECHNICAL DATA:***

Different grades meet various ASTM standards, including ASTM C-33 and ASTM C-144

Moh Hardness.....	7
Specific Gravity .....	2.54 to 2.71
Acid Solubility.....	0.08 to 0.11

## ***Typical Chemical Analysis:***

SiO <sub>2</sub> .....	98.93	CaO .....	0.02
Fe <sub>2</sub> O <sub>3</sub> .....	0.54	MgO .....	0.01
Al <sub>2</sub> O <sub>3</sub> .....	0.41	Sulfate.....	trace
TiO <sub>2</sub> .....	0.09	L.O.I. ....	0.11

**CAUTION:**

Sand CAS #14808-60-7. Avoid breathing dust. Prolonged exposure to dust can cause Silicosis or Scleroderma. Crystalline Silica has been classified by IARC and NPT as a carcinogen. Wear NIOSH approved mask for silica dust.  
**Keep Out Of Reach Of Children.**

**WARRANTY:**

Due to the use of this product beyond our control, we assume no liability for damages of any kind, and the user accepts the product "as is" and without warranties, expressed or implied, from either Empire Blended Products, Inc. or its agents. The suitability of the product for an intended use shall be solely up to the user. Our only obligation shall be to replace or pay for any material proved defective, with our liability limited to the purchase price of materials supplied by us.

**SPECIAL GRADED COMMERCIAL SAND:**

Our Special Graded Sand is available in 6 popular sieve sizes ranging from course to fine. (#2, #1, #1/2, #1/4, #0, #100) They are designed for a variety of applications where a specialty graded sand is required. We do not recommend our sand for sand blasting. If a blasting media is required, we recommend our Black Beauty which is available in both a fine and medium grade.

ACE-CRETE PRODUCTS, INC.  
TYPICAL SCREEN SPECIFICATIONS  
EXPRESSED IN MEAN % RETAINED INDIVIDUAL SIEVE

GRADES

ASTM E-11 SIEVE NO.	WHITE SAND	100	0	1/4	1/2	1	2
12	---	---	---	---	0-5	40-60	90-100
20	---	---	---	0-5	40-70	40-60	0-10
30	0-1	---	0-20	10-30	20-40	0-5	0-5
40	0-10	0-10	10-30	40-60	0-15	0-5	---
50	10-45	25-45	20-45	10-30	0-10	---	---
70	20-40	20-40	10-25	0-10	0-5	---	---
100	15-35	10-25	5-20	0-5	---	---	---
140	0-15	0-10	0-10	0-5	---	---	---
200	0-10	0-5	0-5	0-5	---	---	---
PAN	---	0-5	0-5	---	---	---	---

**WASHED GRAVEL:**

Our Washed Gravel conforms to ASTM C-33 and NYS DOT STANDARD #703-02 for course aggregate. It is graded for landscaping, decoration, base material, exposed aggregate finish and as a course aggregate in cement mixes.

3/8" GRAVEL MEAN % RETAINED	
1"	0
1/2"	0-5
3/8"	40-60
#4 (1/4")	40-60
#8	4-10

***ALL PURPOSE SAND:***

Our All Purpose Sand conforms to ASTM C-33 and NYS DOT STANDARD #703-07 for concrete sand. It is ideal for cement mixes. It can also be mixed with soil for drainage, used as a weight sand and as a base material.

***MASON SAND:***

Our Mason Sand conforms to ASTM C-144 and NYS DOT STANDARD #703-03 for Mortar Sand. It can be used in specialty mortar mixes with either Masonry Cement or a Portland Lime combination. It can also be used for landscaping projects and decorative applications.

***PLAY SAND:***

Our Play Sand is a natural sand that has been washed and screened for use in sandboxes. It can also be used in cat litter boxes.

***TRACTION SAND:***

Our Traction Sand is a coarse, sharp, sub angular sand, designed to provide added traction on snow and ice. It is ideal to help prevent slipping on sidewalks and for carrying in a car trunk for an emergency or for added weight to gain traction in snow. It is an environmentally friendly alternative to salt.

***FILTER SAND:***

Our Filter Sand has been specially screened for use in swimming pool and spa filters.

***WHITE SAND:***

Our White Sand is a fine pure white sand that is ideal for use in pointing and grouting, cigarette urns, garden borders, display pieces and mixing with White Portland and Masonry Cements.