

## THE SAND

Sand specifications required for all FIVB beach (sand) volleyball competitions. This sand is very soft, won't compact (won't need to be tilled) and produces very little dust (which is especially important for indoor beach facilities).

A minimum of 40cm (16 inches) of soft sand is required throughout the entire Free Zone (18m x 26m - the court is 8m x 8m) and the player areas and scorer's table must be outside the free zone. The FIVB requires the following sand specifications:

Name	Particle Size	Spec (% Retained on Sieves)
Fine gravel	2.0 mm	0%
Very Course sand	1.0 mm - 2.0 mm	0%-6%
Coarse sand	0.5 mm - 1.0 mm	min of 80%
Medium sand	0.25 mm - 0.5 mm	max of 92%
Fine sand	0.15 mm - 0.25 mm	7%- 18%
Very fine sand	0.05 mm - 0.15 mm	not greater than 2.0%
Silt and Clay	below 0.05 mm	not greater than 0.15%

These requirements related to the particle sizes allow for excellent drainage and must absolutely be considered in order to successfully face all different weather conditions. The sand must also be free of any organic material.

Particle Shape: The recommended sand requirements for Beach Volleyball court installations have the following: physical properties:

- be naturally weathered;
- be sub angular/rounded;
- not be acquired from a crushed rock source.

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