



## CATALOGUE OF SPORT SANDS

**Sklopisek Střeleč, a. s.** manufactures and supplies high-quality sport sand.

The sand has been mined from an open cast pit since 1939. Střeleč is 12 km north-west of Jičín near the village of Hrdoňovice.

**Střelečský sand is particularly suitable for constructing and maintaining sports grounds: surfaces for equestrian sports, beach sports, football pitches and golf courses. It is also widely used for various artificial sports surfaces and the root zone of lawns.**

Our expertise, gained through consultation with customers, includes a wide range of sports with a specialisation in golf, football, volleyball and horse riding. For example, our ST 52 sand has been approved for beach sports by **Hutcheson** an accredited laboratory in Canada.

The company has long-term cooperation with leading scientific institutions in the field of soil and agronomics, which has led to idea sharing and the development of novel solutions. We listen to the leading greenkeepers and groundsmen as well as to the staff that maintain sports grounds. Recently, we consulted with builders of horse riding facilities to help identify the most suitable sand for this branch of sports.

**"Nowadays a business relationship is not just about delivering a product. It's about developing long-term relationships with customers who are aware of the link between an excellent playing surface and their club's success."**

All of our products meet the quality parameters and standards that our customers require, moreover, they comply with the health requirements that set the hygiene standards for swimming pools, saunas and the hygiene limits for sand in outdoor play areas.

In 1998, Bureau Veritas Quality International awarded us the ISO 9001 Quality System certificate and two certificates in 2003 – the ISO 14001 Environmental System and the OHSAS 18001 Occupational Safety and Fire Protection System - then in 2018 we were awarded the ISO 50001 Energy Management System.



## ST 52 SportTop - sand for beach sports

**ST 52 SportTop - “Copacabana”** - the best choice for beach volleyball and other beach sports. Its quality is testified to by the fact that this sand is chosen for the most important events in the sport, such as the FIVB World Series. It is also suitable for top dressing and the root zone of lawns. It can also be used for sand pits at athletics stadiums. Our wet ST 52 sand contains 80% medium coarse sand and 14% fine sand.

Grain size	0,10 - 0,63 mm
d <sub>50</sub> (mean grain size)	0,33 mm
Moisture	5 - 8%
SiO <sub>2</sub> content	99,3%



### Recommended from our top players:

Martina Bonnerová a Martina Maixnerová





## ST 53 SportTop - sand for golf and soccer

**ST 53 SportTop** - suitable as a base sand for natural football fields. It is also used for top dressing and the root zone for golfing greens. It can also be used in bunkers. Regular lawn sanding is a very important yet neglected part of lawn maintenance. Sanding lightens the soil giving the vegetation layer better water absorption and thus better access to the nutrients needed by lawn plants. It speeds up the drying of the lawn after rainfall. Sanding also significantly reduces the formation of peat turf and moss.

### Why sanding:

- improving the lawn's vegetation layer
- improved grass tillering
- improved soil structure
- increased water, air permeability
- increased nutrient uptake
- sanding speeds up the drying of the lawn after rainfall
- significant reduction of turf peat and moss
- levels out minor bumps in the grass surface



Grain size	0,10 - 0,63 mm
d <sub>50</sub> (mean grain size)	0,26 mm
Moisture	5 - 8%
SiO <sub>2</sub> content	99,2%



## ST 54 SportTop - sand for GOLF - fairway

**ST54 SportTop** - ideal sand for treating golf course fairways that are on natural soil. It improves soil structure and drainage. It contains 24% medium coarse sand and 66% fine sand. The prevalence of fine sand ensures better mixing with the clay, which cannot be achieved with coarser sand.

Grain size	0,10 - 0,63 mm
d <sub>50</sub> (mean grain size)	0,22 mm
Moisture	5 - 8%
SiO <sub>2</sub> content	99,2%







## ST 92 and ST 56 - sands for equestrian sports

**ST 92 and ST 56 *SportTop*** - fine to very fine sand with excellent stability, suitable for equestrian sports. The upper layer at outdoor riding halls is a mixture of fine sand with absorbent geotextile, which increases the layer's bonding due to moisture retention, thus creating a non-draining water supply that prevents dustiness. The upper layer in the riding hall is a mixture of sand of varying roughness, a rubber granulate and absorbent geotextile. Adjusting the mixture's individual components means the surface can be adapted to the needs of the riding school in terms of flexibility and looseness. Tried and tested in practice by riding school builders.

	ST 92	ST 56
Grain size	0,063 - 0,4 mm	0,063 - 0,4 mm
d <sub>50</sub>	no guarantee	0,14 mm
Moisture	5 - 8%	5 - 8%
SiO <sub>2</sub> content	99,6%	99,6%





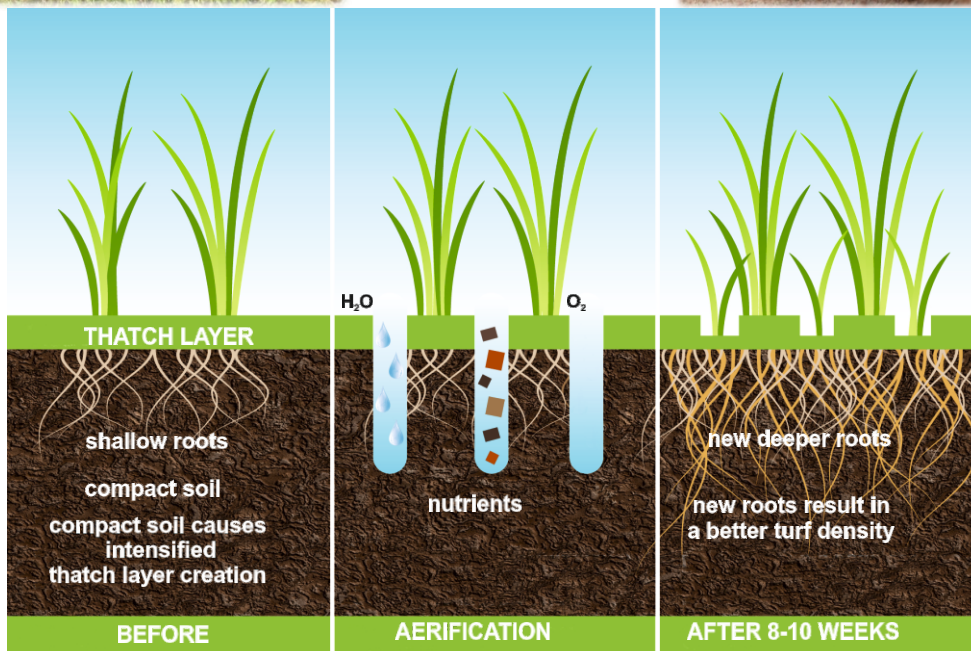
## ST 93 SportTop - sand for aeration of grassfields

It is suitable for spring and autumn aeration of golf courses and also for aerating natural football pitches. Regular lawn sanding is a very important yet neglected part of lawn maintenance.

Aeration is carried out to remove compaction of the vegetation layer, thus renewing water percolation and hence better nutrient uptake in the grass roots. This means it improves the grass with lower irrigation and fertilisation costs. There are many ways to aerate a lawn. Spikes or hollow tines are most often used. Both types have levers, which, in addition, slightly loosen the vegetation layer.

### ST 93

Grain size	0,30 - 4,00 mm
d <sub>50</sub>	2,15 mm
Moisture	5 - 8 %
SiO <sub>2</sub> content	99,8 %







## Drayed sands for artificial sport surfaces

**ST 03/08 *SportTop*** - used for sanding artificial lawns with a low culm, especially for tennis courts and multifunctional playgrounds.

**ST 05/10 and ST 06/12 *SportTop*** - used for sanding artificial lawns with a higher culm, e.g. for football pitches

	<b>ST 03/08</b>	<b>ST 05/10</b>	<b>ST 06/12</b>
Grain size	0,315 - 0,80 mm	0,50 - 1,00 mm	0,63 - 1,25 mm
d <sub>50</sub>	0,58 mm	0,76 mm	0,90 mm
Moisture max.	0,2%	0,2%	0,2%
SiO <sub>2</sub> content	99,2%	99,2%	99,2%





## Dried sands for water filtration

**ST 03/08, ST 05/10, ST 06/12 and ST10/40 *SportTop*** – used in swimming pool filters.

When choosing a suitable filter material, follow the manufacturer's recommendations for your filter unit and select a suitable filter sand size. The sharp edges on each sand grain are important for optimising the filtration process as impurities from the pool water are collected on them.

	granularity	mean grain size
ST 03/08	0,315 - 0,80 mm	d <sub>50</sub> 0,58 mm
ST 05/10	0,50 - 1,00 mm	d <sub>50</sub> 0,76 mm
ST 06/12	0,63 - 1,25 mm	d <sub>50</sub> 0,90 mm
ST 10/40	1,00 - 4,00 mm	d <sub>50</sub> 2,5 mm

