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Responsible: Afdelingschef – QHSE, Morten Grundvad  
Item number: 480071  
Product designation: Washed silica sand

## DANSAND® Care

# Tested on horses

## Description

DANSAND® Care is our top layer for riding arenas – tested by **STRI** in Great Britain and produced exclusively from pure, light-colored silica sand. DANSAND® Care is washed to be entirely free from clay. Clay will typically settle as a watertight membrane over the gravel foundation and keep rainwater from draining away, resulting in a soft and unstable foundation over time. DANSAND® Care has a precise and well-defined grain curve, eliminating all clay or other additives. Pure and clean, the silica sand can be compacted to form a solid and well-drained arena. It also retains moisture, ensuring a firm and uniform arena year after year. The high breaking strength of the silica sand prevents the sand from being crushed under the hooves of the horses. Correctly maintained the sand will lose neither structural nor breaking strength, even after many years of use. DANSAND® Care is tested by STRI in Great Britain. Tests were carried out using infrared X-ray measurements to demonstrate which sand types have the lowest impact on the motion apparatus of horses in both dressage and jumping. The high breaking strength of the silica sand prevents it from being crushed under the hooves of the horse, leaving structure and breaking strength intact.

### JUMPING

The tests measured kickback effect and landing back stroke to demonstrate the impact and stress on back, tendons, distal joints and hoof joints on jumps and landings.

### DRESSAGE

The tests focused on the horse's surface contact and the impact point of the hoof in the sand. A loose surface will lead to variations in impact and consequently varying stresses on the distal and hoof joints and tendons. A surface which is too hard will limit the hoof impact point to just the surface of the shoe.

### BENEFITS OF DANSAND® CARE

- Retains moisture in the surface layer
- Provides good springiness
- Based on pure natural materials (no synthetic materials used)
- Long product life
- Limits stress on the horses' motion apparatus and load-bearing body parts

# Specifications

## DECLARATION

Product name: Dansand® Care

Properties	Testing method	Expected value	Variation range
Average grain size - mm	EN 933-1	0.12	0.10-0.14
Density - kg/m <sup>3</sup>	DS/EN 1097-6	2640	2620-2660
SiO <sub>2</sub> - %	XRF	95 %	> 92 %

Analysis data should be considered as guidance only. The raw material is a natural product whose composition may vary.

## DELIVERY

The product is delivered loose as a bulk item.

## ENVIRONMENTAL INFORMATION AND DISPOSAL

To be disposed of in accordance with current regulations.

## STORAGE

Under cover and with no risk of contamination.

# Manual

## APPLICATION

DANSAND® Care is used as a top layer where the highest possible quality is needed. To gain all benefits of the product it is vital to ensure that the substrates are constructed according to best practice.

For advice on planning and implementation please consult our distributor [ridebane.dk](http://ridebane.dk).



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Variants: 480071