

E-mail: info@dansand.dk
Tel: +45 8682 5811

Producer: DANSAND A/S, Lervejdal 8B, 8740 Brædstrup

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 hoofs 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

05.12.25 Page: 1



# **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/m³	DS/EN 1097-6	2640	2620-2660
SiO2 - %	XRF	95 %	> 92 %

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

#### **DELIVERY**

#### **ENVIRONMENTAL INFORMATION AND DISPOSAL**

The product is delivered loose as a bulk item.

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 .<

05.12.25 Page: 2





DANSAND® Care

Variants: 480071

05.12.25 Page: 3