



DNS[®]

**RAISING AND LEVELLING
WITH ROOFTOP PAVING**

 **ZOONTJENS**
A CRH COMPANY



RAISING AND LEVELLING

FIXED AND DURABLE

Whether we are laying rooftop paving on rooftop gardens, rooftop terraces or rooftop podium decks, the patented DNS system always ensures a perfectly flat, stable and durable surface.

THE SYSTEM

The DNS® system consists of a DNS® foot, a DNS® tube and a load distribution base. The precise height of each tube is determined using a laser measuring device, and then sawn to the required size. The DNS® tube is

then inserted in the DNS® foot and finished with a load distribution element. This unique load distribution element, that matches the chosen rooftop paving, guarantees a fixed, stable and durable system.



FOR EVERY TYPE OF ROOFTOP PAVING

DNS[®] can be used in combination with any Zoontjens rooftop paving, like Dreen[®]Nxt, Dreen[®]Ceramica, Dreen[®]Magna and Dreen[®]Elegance slabs. A specific system has been developed for every rooftop paving, to ensure a stable and streamlined walking rooftop surface (see reverse).

EDGE FINISH

For further stability near walls or other raised elements, the special edge zone system supports the slabs. The DNS[®] edge zone foot features one flat side so that it can be fitted closer to the edge. The DNS[®] edge zone disc comes with an adjustable edge zone strip. This strip can be used at two different heights, depending on the slab thickness. Openings that are created around interruptions in the rooftop paving (for planters or green strips) can be sealed using plastic strips that are clamped into position with an edge zone clip.

LAYING PLAN

On request, Zoontjens will produce a laying plan in advance. We use cut pieces to ensure a perfect finish at edges, corners and at the end of the paved area. This minimises the amount of slab cutting required.

BUILDING DECREE

For projects in the Netherlands, Zoontjens complies with the requirements of the Building Decree. In accordance with the Building Decree, the water-retaining edges on rooftop terraces, roof gardens, balconies and cellar roof squares are 12 cm high. Using DNS[®], the walking surface can be installed up to 2 cm from the top edge of the elevated threshold. For projects abroad, we work in compliance with all applicable local regulations.

PROPERTIES

† Stable

The seamless connection between the slabs and the underlying system guarantees a stable, continuous slab field.

† Height and weight

Maximum height 40 cm and maximum weight 1000 kg. For all other figures or dimensions, please contact us for a tailor-made solution.

† Perfect water management

Walking surfaces remain dry because the water is able to disappear via special drainage slots or seams between the slabs.

† Protective

DNS[®] separates the walking surface from the roofing, protecting the underlying roofing against weathering and mechanical damage, while still retaining easy access to the underlying surface.

DNS® SYSTEMS

**DNS® WITH
DREEN®NXT**



Fixplate lock
Lockplate

DNS® tube

DNS® foot/disc

**DNS® WITH DREEN®CERAMICA,
DREEN®MAGNA (60X60X4,4) & DREEN®ELEGANCE**



**DNS® WITH DREEN®MAGNA
(60X60X6)**



EPDM edge support
filler disc

Edge support disc
with strip

Fixplate

Edge support spacer

DNS® tube

DNS® foot/disc

DNS® edge zone foot/disc

DNS® WITH EDGE ZONE SYSTEM



These specifications, constructions and details were prepared according to the latest technological developments and with the greatest possible care. Zoontjens International B.V. accepts no liability whatsoever for any errors or inaccuracies or their consequences. In the interests of innovation and improvements, we reserve the right to make any necessary changes to the products and systems.

WHAT IF THE WORLD WERE TWICE AS BIG

It can be, as far as we're concerned. Our world, twice as big. A world that we are helping to design and construct perfectly with our roof slab systems. Our many years of experience have made us the number one expert in rooftop paving. For sustainable roofs, livable roofs for socialising. We interact with architects and contractors every day. With roofers and project developers. Creators and constructors. We listen to them, work with them and advise them. That's why we're the number one party with the best rooftop vision. It's our higher ground.