



# DNS<sup>®</sup> LARGE

ELEVATING AND LEVELLING USING  
LARGE FORMAT ROOF SLABS

 **ZOONTJENS**  
A CRH COMPANY



# SYSTEM FOR OPTIMUM PRESSURE DISTRIBUTION

## WITH LARGE FORMAT SLABS ON THE ROOF

DNS<sup>®</sup> is a unique elevated levelling system from Zoontjens that makes it possible to lift roof paving to the required height, resulting in an almost perfectly level roof surface. To achieve the correct height, we use the DNS<sup>®</sup> tube. The precise height is determined using a construction laser and the tube is subsequently cut off to the required size. The tube is installed in a pressure distribution foot, on which a pressure distribution disc is mounted. Using this patented system, an elevated walking surface is created.

In order to make it possible to use large format slabs on the roof, Zoontjens has further developed the DNS<sup>®</sup> system to create DNS<sup>®</sup> Large. This system works in the same way as DNS<sup>®</sup> but, thanks to its larger tube and distribution foot, it has a larger surface across which the pressure forces can be distributed.

The combination of a stronger and larger pressure distribution foot and disc (24.5 cm diameter) to support the paving slabs with the DNS<sup>®</sup> tube ensures a stable and tight fix for large format roof slabs.



## APPLICATION

DNS<sup>®</sup>Large is used for slabs larger than 60 x 60 cm or if the level has to be elevated by more than 40 cm. DNS<sup>®</sup>Large can elevate and level the slab surface to a height of up to one metre. We would be delighted to advise you on the most suitable application for your roof. If extreme loads are expected on the roof, we recommend the use of DNS<sup>®</sup> Heavy. This system has been specially designed for heavy weight slabs and excessively high loads.

## DRY WALKING SURFACES

By using DNS<sup>®</sup>Large, walking surfaces remain dry since the system allows storm water to drain through the fixed 3 mm joints. For DNS<sup>®</sup>Large, depending on the slab that is used, a range of different-sized spacers are available: 3, 4, 5 or 6 mm. These spacers are inserted in special notches in the support disc.

## TIGHT AND STABLE FIXING

The slabs are positioned on the DNS<sup>®</sup> system. To ensure that the slabs do not shift and remain stable we use a special anti-slip layer that fits precisely onto the support disc. If it is necessary to make a minimal height correction under one corner of a slab, an extra section of anti-slip mat can be inserted. The result is a guaranteed level roof surface.

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## TECHNICAL SPECIFICATIONS

System height	maximum 1 metre
Maximum load	1100 kg

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.