

Product Technical Information

ITA/ATEXP/548
 Révision 1 – 24/06/10
 Page 1 / 2

NIDAROOF® 40 / 60 / 100 / 520

Water retention plate and gravel stabilizer

DEFINITION

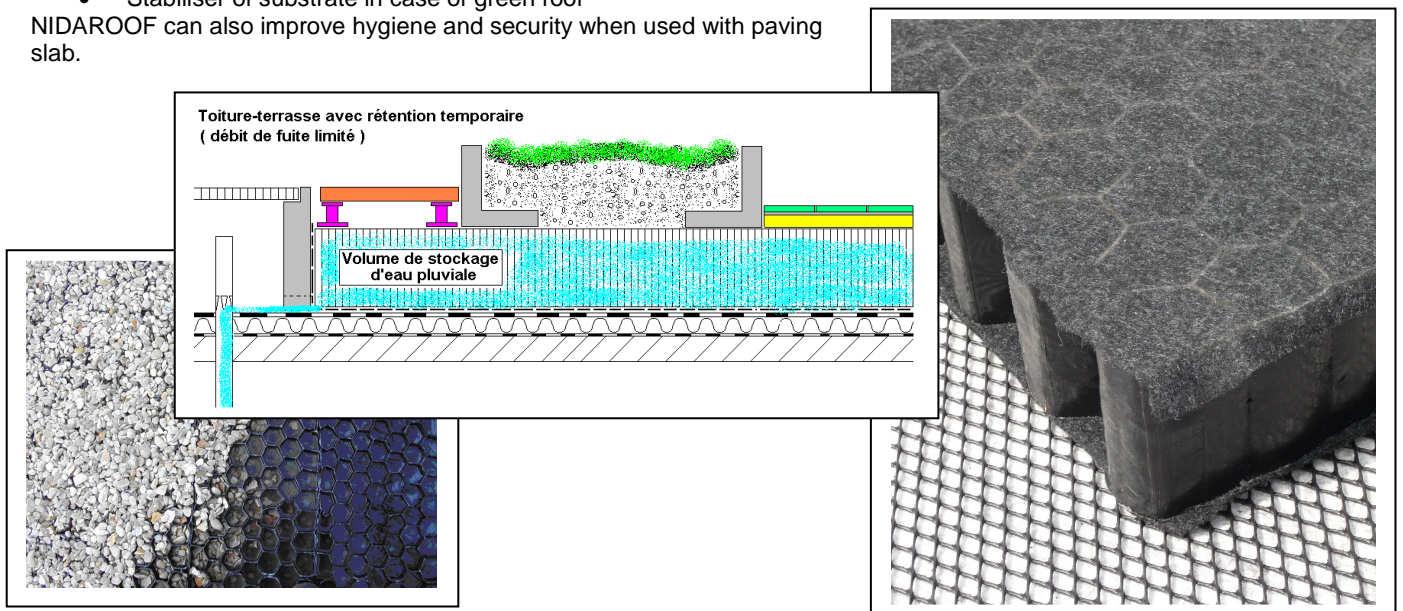
NIDAROOF is a rigid plate with an hexagonal alveolar plastic structure and covered by a synthetic non woven. NIDAROOF has a very high compression resistance and at the same time an excellent empty rating (> 95%).

SCOPE OF APPLICATION

NIDAROOF is part of the WATEROOF system and can be used as :

- Temporary or permanent water retention
- Light backfill in case of green roof or under pedestrian protection
- Stabiliser of gravels in case non accessible roof
- Stabiliser of substrate in case of green roof

NIDAROOF can also improve hygiene and security when used with paving slab.



DOCUMENT DE REFERENCE ISO 9001

Our company is ISO 9001 certified



Product Technical Information

ITA/ATEXP/548
Révision 1 – 24/06/10
Page 2 / 2

COMPOSITION AND NOMINAL CHARACTERISTICS

NIDAROOF 40 / 60 / 100 / 520	
Compound	Polypropylene (60% of recycled PP)
Design	hexagonal (50mm)
Surface (except 520)	Non woven polyester 150g/m ²
Weight	33 kg/m ³ (ISO 845)
Water storage capacity :	(empty rating ≥ 95%)
Plate of 40mm thick	≥ 38 liters / m ²
Plate of 60mm thick	≥ 57 liters / m ²
Plate of 100mm thick	≥ 95 liters / m ²
Plate of 520mm thick	≥ 494 liters / m ²
Resistance Rcs mini Distortion	0,150 MPa (following NF EN 826 and cahiers Cstb 3230 de nov.2007) Ds mini = 1% and Ds maxi = 2%
Compression resistance	≥ 30 T / m ² (ISO 844)

PACKAGING

NIDAROOF	40-1F	60-1F	100-2F	520-2F
Facing face 1 - polyester	Filter 150g/m ²	Filter 150g/m ²	Filter 150g/m ²	30g/m ²
Facing face 2 - polyester	non	non	30g/m ²	30g/m ²
Size of the plates	2,40m x 1,20m (+/- 25mm)	2,40m x 1,20m (+/- 25mm)	2,40m x 1,20m (+/- 25mm)	2,40m x 1,20m (+/- 25mm)
Surface of a plate	2,88 m ²	2,88 m ²	2,88 m ²	2,88 m ²
Thickness (+/- 5 mm)	40mm	60mm	100mm	520mm
Weight :	1,7 kg/m ²	2,4 kg/m ²	3,5 kg/m ²	20,8 kg/m ²
Quantity of plate / pallet	56	37	22	4
Surface / pallet	161,28 m ²	106,56 m ²	63,36 m ²	11,52 m ²
Weight/pallet	260 kg	260kg	260 kg	250 kg

INSTALLATION

NIDAROOF plates are installed following instruction of CCP WATEROOF, in one or several layers.

Very easy to handle.

Plates are installed over the waterproofing membrane. A separating layer (GEOFLOW 44-1F) has to be applied between the waterproofing membrane and NIDAROOF.

- NIDAROOF (40-1F / 60-1F / 100-2F ou 520-2F) used as water retention is applied with the non woven polyester (150g/m²) on the top.
- NIDAROOF (40-1F / 60-1F) used as gravels stabiliser is applied with the non woven polyester on the back.