

PROPERTIES	CHARACTERISTICS			REF
	400 (kPa)	500 (kPa)	600 (kPa)	
Material	Extruded Polypropylene (PP) Honeycomb			
Minimum Dry Density	35 kg per SQM	40 kg per SQM	44 kg per SQM	ISO 845
Length	2400 mm			ISO 1923
Width	1200 mm			
Cell Size	Approx. 50 mm			
Void Rate	95%			
Colour	Black			
Block Thickness	520 mm			ISO1923
Panel Thickness	-	120 mm	-	
Geotextile Heat bonded, non-woven	Side 1 - PET 45 g/sqm			NFEN 29 073-1
	Side 2 - PET 45 g/sqm			
Buoyancy and Moisture Uptake	Not sensitive to water level fluctuations and load absorption in a wet environment			
Chemical Properties	High resistance to water, most acids, bases and salt solutions			
Pollution	Not groundwater polluting			

MECHANICAL PROPERTIES				
Short-term vertical compressive strength (50 mm thick panel)	400 kPa	500 kPa	600 kPa	ISO 844
Short-term vertical compressive strength (520 mm thick panel)	300 kPa	400 kPa	500 kPa	XP P16 374
Conventional elasticity modulus in compression*	25 MPa	30 MPa	35 Mpa	
Long-term vertical compressive stress*	45 kPa	65 kPa	85 kPa	CSTB technical approvals 17.2/14-280_V4
	Maximum vertical compression stress (safety coefficient of 2, applied to the maximum permissible vertical pressure value in the long term extrapolated to 50 years)*			
Maximum allowable backfill level above blocks*	2.3 m	3.3 m	4.3 m	

*Maximum values over 3 layers

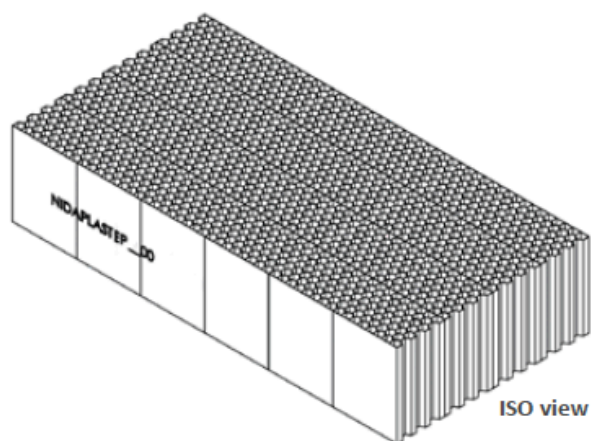
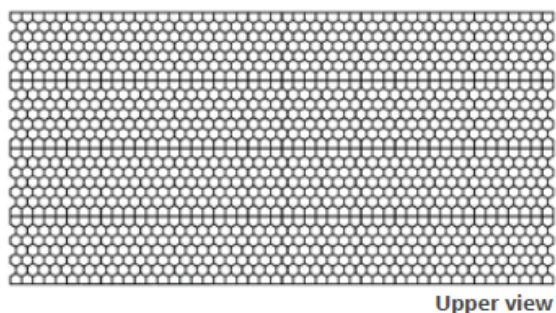
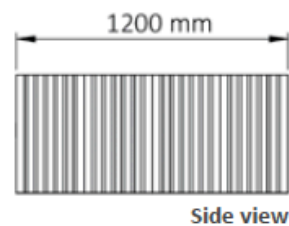
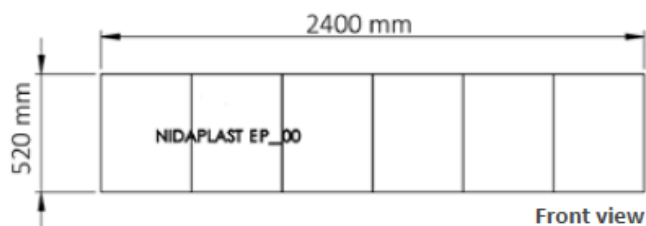
NOTE: The indicated directions serve as a guide to use of the product but cannot be considered a guarantee of good working up. The application, utilisation and/or transformation of the products is beyond our control and as a consequence, they remain the responsibility of the user and/or the transformer.



Product ID Nidacell EP Technical Data Sheet

**Rainwater - Underground
Attenuation & Infiltration**

DIMENSIONAL DIAGRAMS



Packaging	Nidacell EP (520mm block)		
	400	500	600
QTY per pallet	5		
Cub m per pallet	7.5		
Pallet Height	2750 mm		
Pallet Length	2400 mm		
Pallet Width	1200 mm		
Pallet Weight	300 kg	330 kg	367.5 kg
Packaging	Nidacell EP (120mm panel)		
	-	500	-
QTY per pallet	-	21	-
Cub m per pallet	-	7.25	-
Pallet Height	-	2670 mm	-
Pallet Weight	-	330 kg	-
Packaging	Wooden (non-returnable) Wrapped & Banded		