

# Stormwater management

## Stormwater storage



### Rigofill® ST-Standard – Part of Tricel’s Nero Range Storage/infiltration module

Polypropylene storage/infiltration module, consisting of half elements (full block) to be installed on site or half element(s) and roof slab (half block), accessible in two axes thanks to cross-shaped, continuous inspection tunnel, colour: black






Technical data		
Application:	Highly durable and hard-wearing storage/infiltration module for the construction of gravel-free, underground swales for the infiltration, retention and storage of stormwater runoff in combination with RigoFlor special geotextile lining, QuadroControl ST-S inspection shafts and more accessories.	
Material / raw material:	PP (polypropylene), recyclable	
Spezifikation / Zulassungen:	According to EN 17152-1 According to ISO 4981	
Dimensions: Length x width [m]	0.80 x 0.80	
Height: [m]	Half block 0.35	Full block 0.66
Weight: [kg]	13	18
Storage capacity: [%]	95	96
Volume [liters]:	Gross volume: 224 Storage volume: 212	Gross volume: 422 Storage volume: 406
Nominal diameter of inlet/outlet at the storage/infiltration module:	At the sidewall grid: Solid-wall pipe DN/OD 110, DN/OD 125, DN/OD 160, DN/OD 200, DN/OD 250, DN/OD 270	At the sidewall grid: Solid-wall pipe DN/OD 110, DN/OD 125; DN/OD 160, DN/OD 200, DN/OD 250, DN/OD 270, DN/OD 400, DN/OD 500  Using adapter: Solid-wall pipe DN/OD 315, DN/OD 400, DN/OD 500

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Carrying capacity:	Maximum cover up to 2.3 m* Maximum soil depth up to 4 m* Heavy goods vehicle traffic (HGV 60) from a minimum cover of 80 cm with proper road layout Long-term carrying capacity has been proven
Short-term compressive strength: [kN/m <sup>2</sup> ]	Vertical: 354 Horizontal: 97 acc. to EN 17150
Long-term compressive strength: [kN/m <sup>2</sup> ]	Vertical: 94 Horizontal: 18 acc. to EN 17151
Design Life [years]	50 ≥
Stackability:	Horizontal and vertical connect using connectors
Inspectability:	Accessible in two axes thanks to cross-shaped, continuous inspection tunnel W x H 0.16 m x 0.59 m, designed for the use of automotive dollies, for optimum inspection of the permeable surface (geotextile wrapping) and inspection of any statically relevant load-bearing elements and the inlets or outlets; free access opening 380 mm x 380 mm at the inspection shaft for inserting inspection and flushing devices
Inspection shaft:	QuadroControl ST-S system shaft can be integrated anywhere in the modular block type structure, length x width = 0.80 m x 0.80 m, as inspection shaft, ventilation of the system with QuadroControl ST-S when using shaft covers with ventilation openings see QuadroControl ST-S data sheet  <a href="http://trichel.co.uk">trichel.co.uk</a> <a href="http://trichel.ie">trichel.ie</a>
Accessories:	For Rigofill ST-S accessories, see Drainage Systems price catalogue More information: "Rigofill® ST-A   Rigofill® ST-S - product brochure"  <a href="http://trichel.co.uk">trichel.co.uk</a> <a href="http://trichel.ie">trichel.ie</a>
Miscellaneous:	Installation according to "Rigofill® ST-A   Rigofill® ST-S - installation manual"  <a href="http://trichel.co.uk">trichel.co.uk</a> <a href="http://trichel.ie">trichel.ie</a>

\*... depending on local installation conditions

**FRÄNKISCHE**