

Stormwater management

Stormwater storage



Rigofill® ST-Advanced – 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: green






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-A inspection shafts and more accessories.	
Material / raw material:	PP (polypropylene), recyclable	
Specification/ approvals:	According to EN 17152-1, According to ISO 4981 United Kingdom: BBA (British Board of Agrément)	
Dimensions: Length x width [m]	0.80 x 0.80	
Height: [m]	Half block 0.35	Full block 0.66
Weight: [kg]	14	19
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

Stormwater management

Stormwater storage



Carrying capacity:	<p>Maximum cover up to 4 m*</p> <p>Maximum soil depth up to 6 m*</p> <p>Heavy goods vehicle traffic (HGV 60) from a minimum cover of 80 cm with proper road layout</p> <p>Long-term carrying capacity has been proven</p>
Short-term compressive strength: [kN/m ²]	<p>Vertical: 420 acc. to EN 17150</p> <p>Horizontal: 115</p>
Long-term compressive strength: [kN/m ²]	<p>Vertical: 136 acc. to EN 17151</p> <p>Horizontal: 32</p>
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:	<p>QuadroControl ST-A 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-A when using shaft covers with ventilation openings</p> <p>see QuadroControl ST-A data sheet</p> <p> trichel.co.uk trichel.ie</p>
Accessories:	<p>For Rigofill ST-A accessories, see Drainage Systems price catalogue</p> <p>More information: "Rigofill® ST-A Rigofill® ST-S - product brochure"</p> <p> trichel.co.uk trichel.ie</p>
Miscellaneous:	<p>Installation according to "Rigofill® ST-A Rigofill® ST-S - installation manual"</p> <p> trichel.co.uk trichel.ie</p>

*... depending on local installation conditions

FRÄNKISCHE