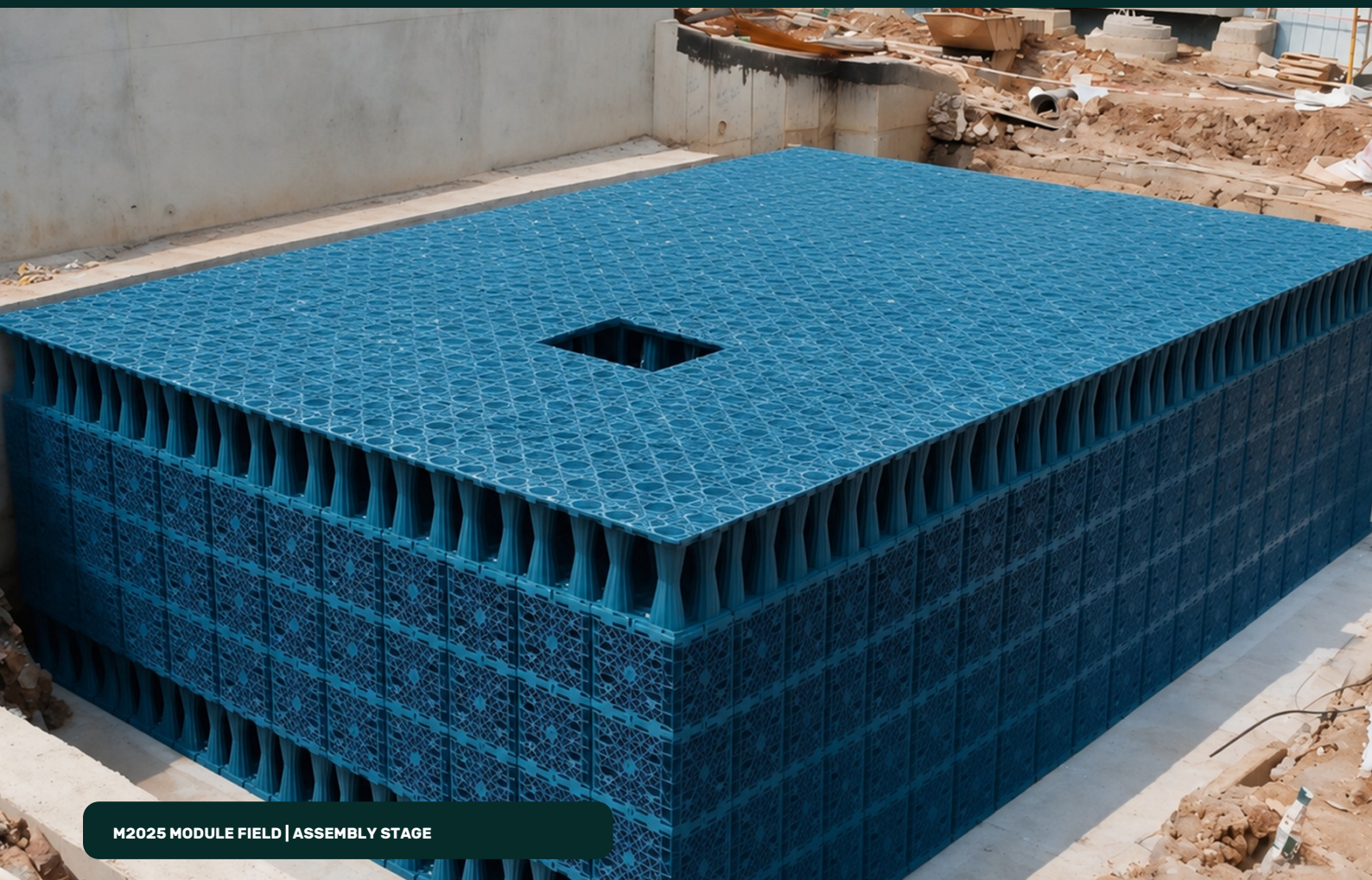




M2025 MODULE FIELD | ASSEMBLY STAGE

TECHNICAL CAPABILITY | OSD + DETENTION

M2025 MODULAR OSD TANK SYSTEM

Project-direct geocellular storage with grade-specific structural pathways, site-specific tender support, integrated LLDPE and geotextile supply, and optional installation services.

95%

ADOPTED HYDRAULIC VOID

0.2375 m³

NET STORAGE / MODULE

500 mm

LAYER INCREMENT

Technical capability flyer | August 2026

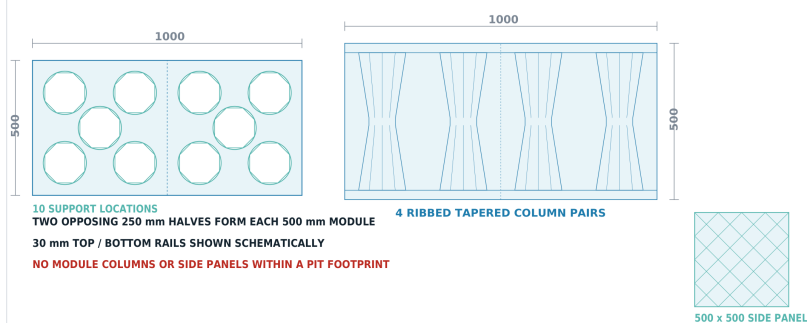
COMMERCIAL | INDUSTRIAL | CIVIL | SUBDIVISION

One modular platform. A project-specific tank.

M2025 provides a compact 500 mm layer increment. Kontain develops the storage field, enclosure and interfaces around the civil geometry, pavement, maintenance strategy and construction sequence.

D04A - M2025 MODULE GEOMETRY / SIDE PANEL

COORDINATION SCHEMATIC - 1000 x 500 x 500 MODULE



STANDARD DETAIL D04A | PLAN SUPPORTS + TAPERED SECTION COLUMNS

1,000 x 500 x 500

ASSEMBLED MODULE (MM)

0.25

GROSS M3 /
MODULE

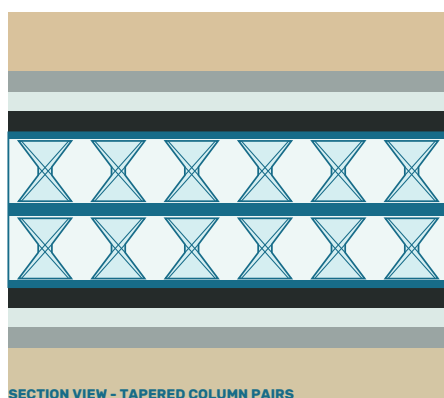
0.2375

NET M3 / MODULE

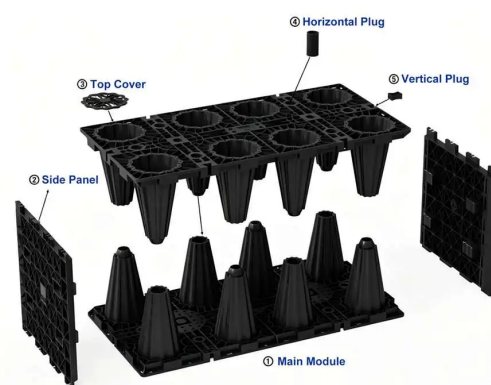
KONTAIN ADOPTED DESIGN VALUE

95% hydraulic void ratio for preliminary quantity planning.

TYPICAL ENCAPSULATED SECTION



EXPLODED MODULE ASSEMBLY



ASSEMBLY LOGIC

Two opposing 250 mm halves create the 500 mm module. Side panels, top covers and horizontal and vertical plugs complete the field.

Modules + LLDPE + geotextiles + detailing

A coordinated supply pathway, scoped to the project.

Choose the grade for the load case - then verify the project.

Virgin and controlled recycled pathways let the project balance structural demand, evidence maturity and commercial objectives without presenting a product class as an allowable load.

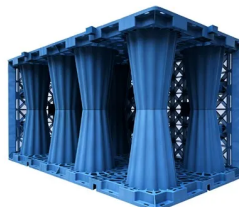


VPP60 / V60

Virgin PP

12.6 kg nominal | 60 t/m² class

Direct 600 kPa reported top result after 40 +/- 2 C preconditioning. Premium reference pathway.



RPP60 / R60

Controlled RPP

13.0 kg nominal | 60 t/m² class

Direct 600 kPa reported top result after 23 +/- 2 C preconditioning. Competitive high-strength pathway.



RPP45 / R45

Recycled PP

11.0 kg nominal | 45 t/m² class

Short-term resistance is currently inferred and factored. Positioned for landscape and lower-load cases.

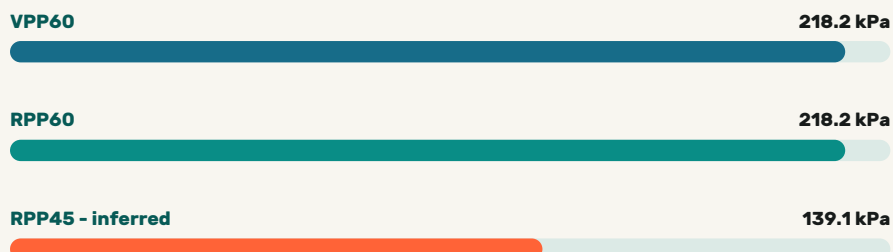
DIRECT WHOLE-MODULE SHORT-TERM EVIDENCE

300 kN / 600 kPa

VPP60 and RPP60 each reached the reported equipment limit in their stated conditioning regime.

600 kPa IS NOT AN ALLOWABLE PROJECT LOAD.

HEADLINE SHORT-TERM DESIGN RESISTANCE



Limited-data material factor $\gamma_M = 2.75$

EVIDENCE BOUNDARY

Product class labels are identifiers. Final grade, resistance, cover and traffic acceptance require the current technical note and project design checks.

INTERIM SUSTAINED-LOAD OBSERVATION | VPP60

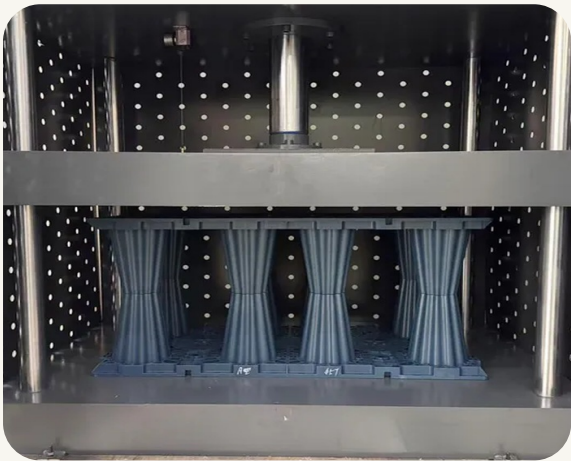
2.60 mm

TOTAL AT DAY 91 | 0.52% OF MODULE HEIGHT

+0.79 mm time-dependent increment. A favourable interim observation, not a design-life extrapolation or 50-year allowable pressure.

Preliminary cover pathways for real operating conditions.

The matrix below is a tender and concept-design screen. Final selection checks the actual vehicle, pavement, cover, ground support, tank geometry and construction stage.



WHOLE-MODULE COMPRESSION TEST SET-UP

800 MM HEAVY-PAVEMENT SCREEN

W80 ULS 161.2 kPa

VPP60 1.35 | RPP60 1.35

RPP60 40 C sensitivity: 1.22

RPP45 0.86 | NOT RECOMMENDED

Margins use $\gamma_M = 2.75$ and the current limited-data route.

PRELIMINARY MINIMUM COVER ABOVE MODULE CROWN

FINAL SURFACE CONDITION	VPP60	RPP60	RPP45
Open space / light traffic	600 mm	600 mm	700 mm
Car park - preliminary	700 mm	700 mm	800 mm
W80 semi-trailer / heavy vehicle	800 mm	800 mm	NOT RECOMMENDED

PROJECT CHECKS BEFORE ACCEPTANCE

- Actual wheel and axle loads, contact area, dynamics and repetition
- Pavement build-up, cover tolerance and load-spreading behaviour
- Global SM1600 alternatives, field geometry, joints and boundaries
- Formation, groundwater, buoyancy, pits, pipes and construction loads

WHAT THE MATRIX DOES NOT MEAN

It is not blanket traffic approval, a whole-vehicle mass rating or a substitute for project design. The W80 row screens local crown pressure; global field response remains a separate check.

DESIGN BASIS

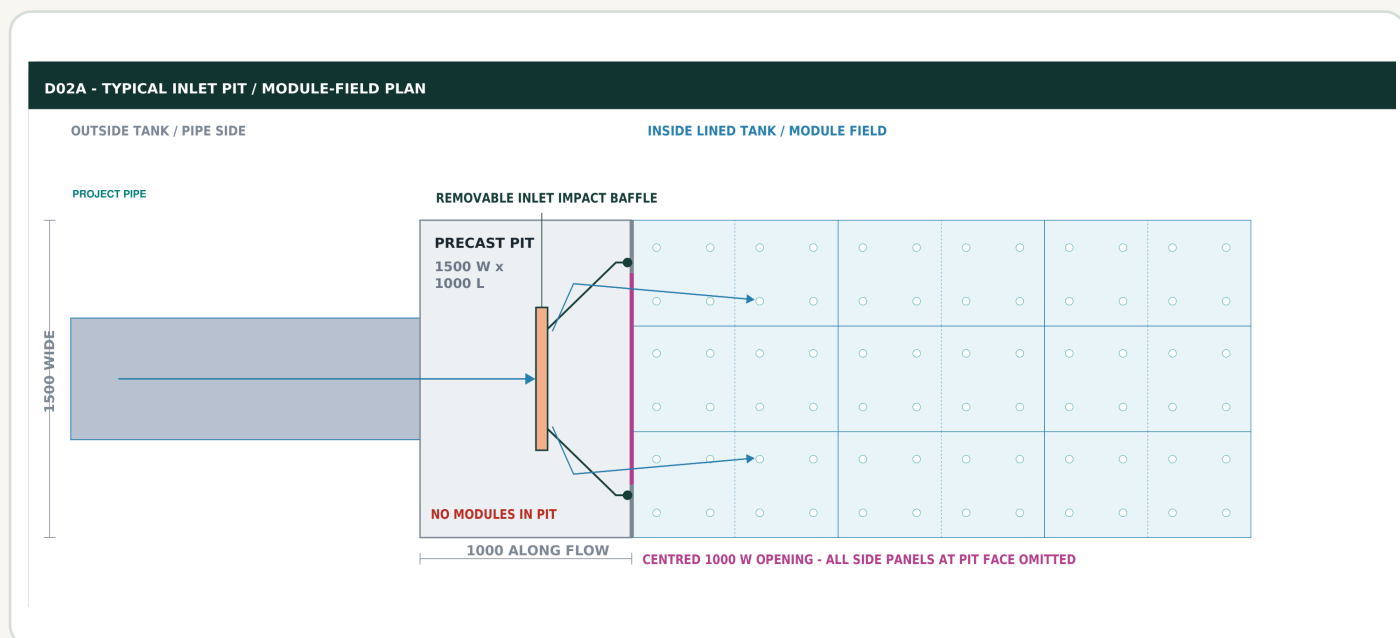
Current M2025 predictive load and creep technical note, with stated factors and evidence limits.

Cover is part of the structural system.

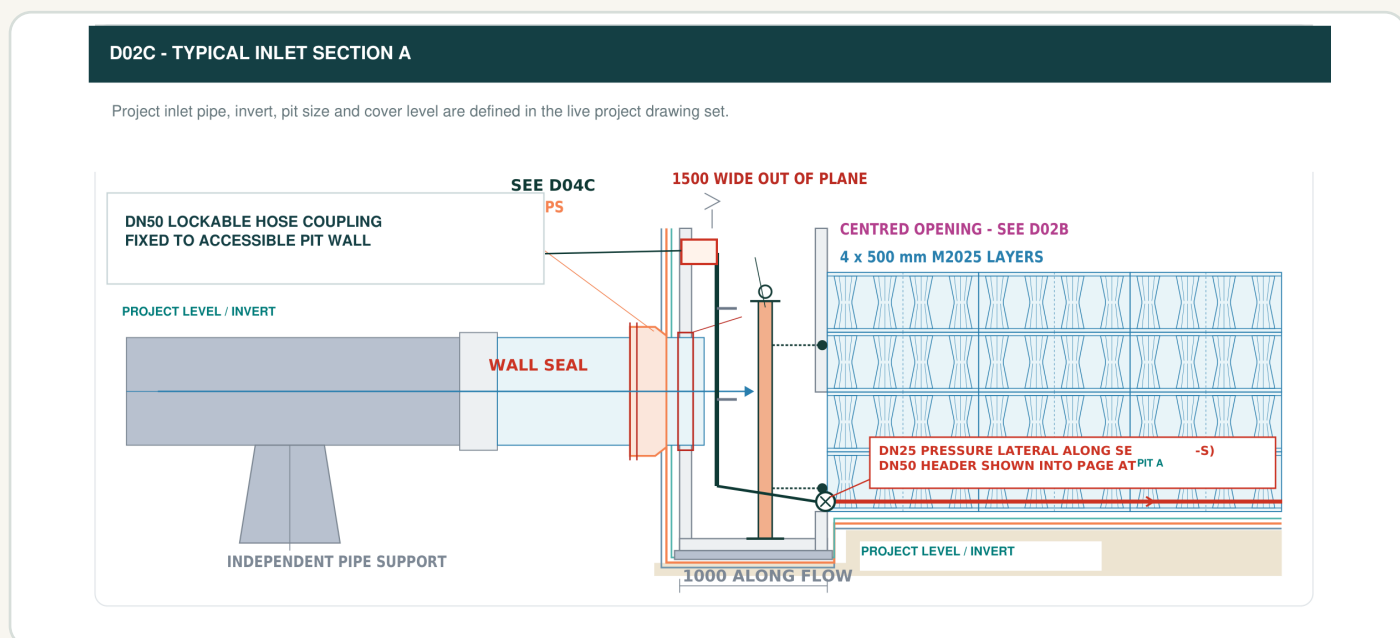
Confirm it with the pavement, not after procurement.

Standard pit and module interfaces, ready for project set-out.

The detail package coordinates the project pipe, precast pit, centred opening, impact baffle, liner interfaces, module field and cleaning laterals. Live project drawings set the final levels and dimensions.



D02A | Inlet pit and module-field plan - copied directly from the standard coordination drawing.



D02C | Pit-to-module section showing support, wall seal, liner boot, opening, baffle and tapered module columns.

STANDARD ARRANGEMENT COVERS

- No modules within the pit footprint; centred opening at the tank face.
- Removable impact baffle and accessible DN50 service connection.

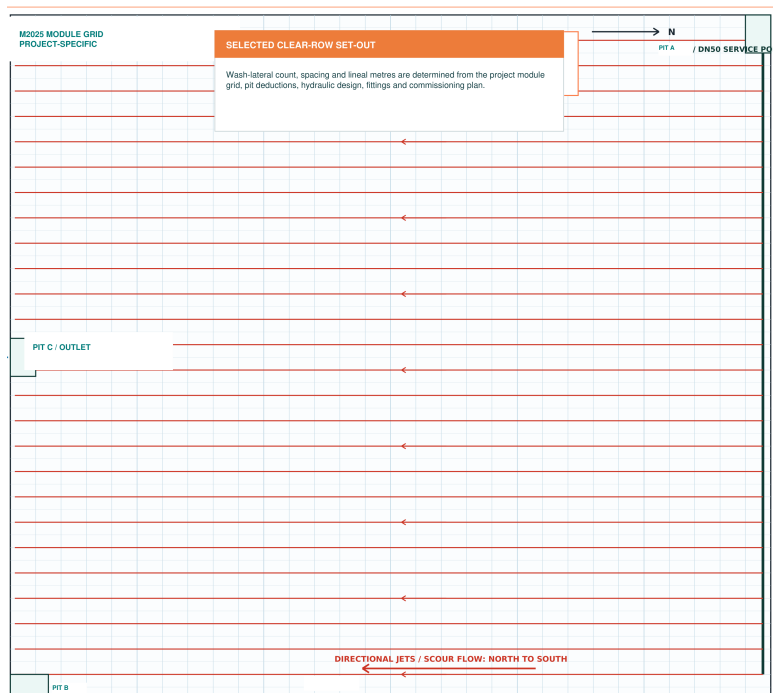
PROJECT INPUTS CLOSE THE DETAIL

- Pipe, invert, pit, cover and hydraulic opening verified for the live project.
- Civil, precast, structural, liner and hydraulic designs remain coordinated.

Plan the flush and cleanout system before the tank is buried.

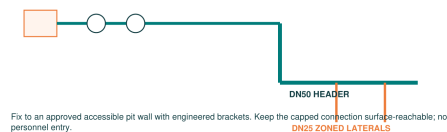
Header feed, zoned laterals, column clearways, accessible pits and vacuum recovery are coordinated as one system. The final arrangement is hydraulically designed and commissioned for each project.

KOSD-GEN-008 | MODULE GRID + DIRECTIONAL CLEANOUT PLAN



C08B - ACCESSIBLE DN50 HOSE CONNECTION AND HEADER FEED

LOCKABLE COUPLING - ISOLATION - NON-RETURN - REGULATION / RELIEF - GAUGE



C08C - DN25 PRESSURE LATERAL BETWEEN MODULE COLUMN FIELDS

M2025 COLUMNS - SMOOTH SUPPORTS - NO LINER PENETRATION

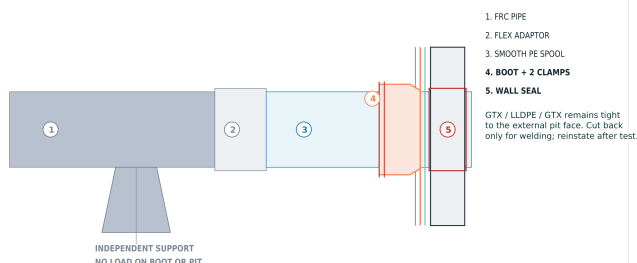


HYDRAULIC DESIGN HOLD

Confirm flow, pressure, zoning, restraint, relief, backflow protection and commissioning.

D04B - LARGE-PIPE LINER BOOT / PRECAST WALL SEAL

BOOT AND WALL SEAL ARE SEPARATE INTERFACES



PROJECT-DIRECT TENDER SUPPORT

Site-specific drawings, module and liner schedules, optional installer coordination and hold-point support.

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DESIGN INTENT

Surface-accessible controls feed hydraulically zoned DN25 laterals positioned between module columns with no liner penetration. Mobilised fines are directed to an accessible outlet or maintenance pit for removal.