

Technical Data Sheet: Multicrete Drain 2 Main

Product Overview

Multicrete Drain 2 Main is a low-profile drainage system **manufactured from tough, long-lasting, non-corrosive PVC**. It is engineered for patios, driveways, pool decks, and light commercial applications. Featuring a **newly configured centre channel**, this unique system greatly improves water flow while serving multiple roles as a drainage channel, expansion joint, and screed rail.

Technical Specifications

Property	Specification
Material	High-grade Polyvinyl Chloride (PVC)
Length	2.0 meters
Width	38 mm
Depth	80 mm
Flow Rate	0.3 – 0.4 Litres/second
Load Class	A15 (1.5 Tonnes)
Profile Type	Flat profile (allows flush, tight fit against walls)
Fittings Required	None (Non-directional design eliminates left/right fittings)

Key Benefits & Features

Installation Efficiency

- **No Trenching Required:** Eliminates the need to dig deep excavations or trenches, minimizing labour and site disruption.
- **Easy to Cut:** Can be quickly and cleanly cut to size using a standard mitre saw.
- **Multi-Functional:** Functions reliably as a screed rail during the final concrete pour.

Performance & Durability

- **Corrosion Proof:** Built entirely from high-quality PVC with no metal parts, preventing rust and degradation.
- **Enhanced Flow:** Newly configured centre channel design maximizes water evacuation speeds.
- **Structural Protection:** Provides watertight, secure protection to concrete decks and underlying subgrades.
- **Joint Integration:** Serves as a highly effective expansion and contraction joint to prevent concrete cracking.

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Applications

- Domestic driveways and pathways
 - Patios and pedestrian walkways
 - Swimming pool decks
 - Light commercial surface drainage
 - Perimeter drainage against existing structural walls
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Installation Guide

1. Preparation & Alignment

- Mark out the run of the drainage system using a string line.
- Ensure the ground is compacted and level. Because the system is only 80mm deep, no deep trenching or excavation is required.
- If fitting against a wall, place the flat profile edge flush against the structural surface.

2. Cutting & Jointing

- Measure lengths carefully and cut the PVC profiles using a standard mitre saw for clean, straight edges.
- Use PVC solvent cement to connect lengths together for a completely watertight seal. Because the system features a non-directional design, standard pieces link smoothly without needing dedicated left- or right-hand fittings.

3. Setting to Grade (Optional Screed Rail Use)

- Position the drain system to your desired final level, ensuring a slight fall toward your evacuation or discharge point.
- Secure the channel in place using small mounds of bedding mortar (dry-pack concrete pads) at regular intervals along the base.
- If using the system as a screed rail, verify that the top edge matches your exact target slab height before pouring concrete.

4. Concrete Pouring & Finishing

- Pour concrete directly against the sides of the Multicrete Drain 2 Main.
 - Use the top surface of the channel to guide your screed board during the final pour.
 - Ensure the finished concrete surface sits roughly 2–3mm higher than the top edge of the drain to guarantee optimal water catchment and prevent pooling.
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Maintenance Recommendations

- **Routine Inspection:** Visually inspect the top slots periodically for leaves, debris, or silt accumulation, especially after heavy rainfall or during autumn.
- **Flushing:** Use a standard garden hose or a low-pressure washer to flush out any fine debris or sediment trapped in the centre channel.
- **Avoid High Heat:** Keep heat sources (like hot asphalt or open flames) away from the PVC during surrounding construction work to prevent warping.
- **Chemical Safety:** While highly resistant to general weathering and domestic pool chemicals, avoid exposing the PVC channel to concentrated industrial solvents or acids.