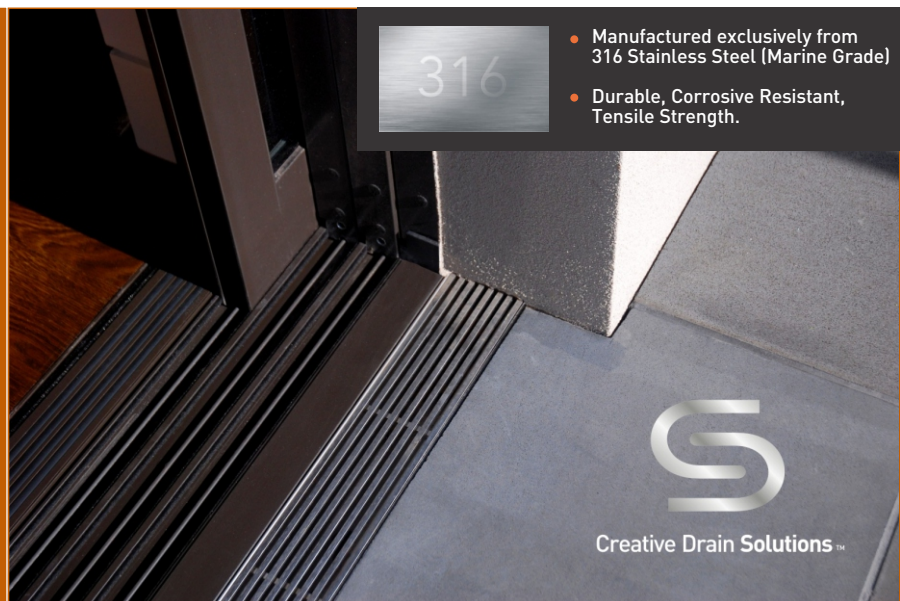


# Frequently Asked Questions

## Zero Threshold Drain



Creative Drain Solutions™



SUBJECT	SOLUTION
Fully Encapsulated	The design of our Zero Threshold Drain fully encapsulates the door or window track being used and therefore eliminates the possibility of leaking.
Rising Damp & Water Ingress	Tanked rebate prior to installation of the drain channels.
Termite Barrier	A stainless steel micro mesh can be laid out under the drainage channel prior to installation.
Load Rating Capacity	After the installation of the Zero Threshold Drain we recommend backfilling under it with a non-shrink grout or floor levelling compound that will flow under the track completely to support the drain.
Materials	All drains are manufactured exclusively from 316 Marine Grade Stainless Steel and electropolished after manufacturing. Material gauge for Zero Threshold Drains is 1.2 mm and grates are a 6mm Bar with 5mm spaces and have a brushed finish.
Expected Life Span	Products buried in a concrete grout have a minimum life cycle of 70+ years.
Length of Drains	The longest length of drain we manufacture in one piece is 12,000mm. We have designed drains larger than this, however they need to be assembled onsite. We recommend maximum lengths of 6,000mm to avoid expensive freight costs.

Disclaimer: These drawings are the intellectual property of Creative Drain Solutions. This information is indicative only. Creative Drain Solutions accepts no liability arising from the use of this information.

# Frequently Asked Questions

## Zero Threshold Drain



Creative Drain Solutions™



316

- Manufactured exclusively from 316 Stainless Steel (Marine Grade)
- Durable, Corrosive Resistant, Tensile Strength.

SUBJECT	SOLUTION
Graded Fall in Drains	<p>We encourage the job to be set up so we can achieve fall to waste outlet points. All relevant Australian Standards require a 1% minimum fall. Our aim is to achieve around a 5% gradient. For example, this equates to 30mm of fall in a 6 metre drain. If this is not possible we recommend, one waste outlet at each end of the 6 metre drain with 15mm of fall starting at the centre of the drain falling to the waste outlets.</p>
Wind Ratings	<p>When a door track or window sub sill is raised 50mm off the ground to create what is considered to be an acceptable water ingress deterrent wind ratings then come into play. Doors and windows generally require a minimum of 148 kPa per hour and up to 280 kPa in high wind applications. When using the Zero Threshold Drain and integrating the door track at or below ground surface, water ingress is greatly reduced. Wind is driven against the glass and down into the door track through the top located weep holes and forward out of the weep holes located at the front of the door or window track and collected in the Zero Threshold Drain.</p>
Roof Cover	<p>Most scenarios that our Zero Threshold Drain is used in generally have reasonable roof coverage, however some have had no projecting roof overhang. We have not heard of any problems regarding these projects.</p>

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# Frequently Asked Questions

## Zero Threshold Drain



Creative Drain Solutions™



SUBJECT	SOLUTION
Secondary Drains	Our Zero Threshold Drains are recommended for secondary drainage only. The surface area leading away from the doors/drain are recommended to have a 1:10 gradient as a minimum. This can then run into the primary drainage location.
Water Volumes	Drain volumes and use of outlets exceed requirements, based on calculations using 100 year high averages for the volume of water driven against glass and door structure. Discharge rate of 10 litres of water per second per outlet, when used in conjunction with 2 x 100 mm stainless steel outlets.
Waste Outlets	A 100 mm Stainless Steel Waste Outlets has a discharge rate of 10 litres of water per second.
Slot Drains -Inspection points	We recommend that all Zero Threshold Slot Drains have inspection points, one for every waste outlet. This enables ease of maintenance and cleaning of the drain. Inspection points are generally tile insert trays that are simply lifted out. A tamper proof, screw fixed inspection point is available if removal of trays is to be restricted. This may be required for public buildings, hospitals, care facilities or schools.
BCA Compliance	BCA Compliance is achieved by adhering to AS1428 (Design for Access & Mobility) along with waterproofing to AS4654.2. By complying with these two standards, BCA requirements are superseded. The typical height our Zero Threshold drains are manufactured at is 75mm or greater, this exceeds the minimum requirement of 50mm set down.

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