

## AQUAKNIGHT ROOF DRAIN

### PURPOSE

Aquaknight Industries supplies Aquaknight Roof Drains for use as outlets/or overflow drains in conjunction with single-layer, multi-layer and monolithic waterproofing membranes in domestic and commercial applications.

### EXPLANATION

Aquaknight Roof Drain is a hi-flow, uPVC outlet with a stainless-steel clamping ring and stainless steel domed lid featuring extended leaf-guards. The fittings have a clamping force suitable to seal all modern membrane installations.

Aquaknight Roof Drains are available in the following sizes:



For further assistance please contact:

☎ 09 832 2214

✉ admin@aquaknight.co.nz

🌐 [www.aquaknight.co.nz](http://www.aquaknight.co.nz)



Configuration	Inlet Diameter (mm)	Outlet Diameter (mm)	Flange Installed Height	Installation:	
				Rebate mm	Core Drill mm
Bottom Exit	100	50	112	Ø230x4	Ø 182
Side Exit	100	50	130	Ø230x4	Ø 182
Bottom Exit	65	65	80	Ø 175x5	Ø 128
Bottom Exit	100	65	117	Ø230x4	Ø 182
Bottom Exit	80	80	87	Ø 173x5	Ø 142
Side Exit	80	80	102	Ø 173x5	Ø 142
Bottom Exit	100	80	122	Ø230x4	Ø 182
Side Exit	100	80	102	Ø230x4	Ø 182
Bottom Exit	100	100	122	Ø230x4	Ø 182
Side Exit	100	100	130	Ø230x4	Ø 182
Bottom Exit	150	150	122	Ø 283x4	Ø 233

### SCOPE AND LIMITATIONS OF USE

Scope	Limitations
<b>Location</b> In all exposure zones as defined in NZS 3604:2011.	➤ For micro-climates as defined in NZS 3604: 2011, contact Aquaknight for material selection information.
<b>Building</b> In conjunction with a primary structure that complies with the NZ Building Code or where the designer has established that the existing structure is suitable for the intended building work. In conjunction with a single or multi-layer, waterproof membrane up to 8mm in thickness.	➤ Subject to sufficient fall and outlets. ➤ Flow rates to be calculated in accordance with E1/AS1 or E1/VM1.

### USEFUL INFORMATION

For information on the design, installation and maintenance of Aquaknight Roof Drains, and for our warranty, refer to [www.aquaknight.co.nz](http://www.aquaknight.co.nz).

### OTHER CERTIFICATIONS HELD BY AQUAKNIGHT

➤ ISO 9001 certification [SGS, 05/02/2020].



## PERFORMANCE CLAIMS

If designed, installed and maintained in accordance with Aquaknight Industries' requirements, the Aquaknight Roof Drains will meet the following performance claims:

N.Z. Building Code clauses	BASIS OF COMPLIANCE	
	Compliance statement	Demonstrated by
<b>B1 Structure</b> B1.3.1, B1.3.2, B1.3.3 (a, b, c, j)	ALTERNATIVE SOLUTION	<ul style="list-style-type: none"> <li>Manufactured in accordance with AS/NZS 3500 and AS/NZS 1260 [Aquaknight, 2017; Chemvin Plastics Limited, 22/11/2013].</li> </ul>
<b>B2 Durability</b> B2.3.1 (b)	ALTERNATIVE SOLUTION	<ul style="list-style-type: none"> <li>Manufactured in accordance with AS/NZS 3500 and AS/NZS 1260 [Aquaknight, 2017; Chemvin Plastics Limited, 22/11/2013].</li> <li>Historic material performance.</li> </ul>
<b>E1 Surface Water</b> E1.3.3	ACCEPTABLE SOLUTION E1/AS1 and VERIFICATION METHOD E1/VM1	<ul style="list-style-type: none"> <li>Manufactured in accordance with AS/NZS 3500 and AS/NZS 1260 [Aquaknight, 2017; Chemvin Plastics Limited, 22/11/2013].</li> <li>Flow rates calculated in accordance with E1/AS1 or E1/VM1.</li> </ul>
<b>F2 Hazardous Materials</b> F2.3.1	ALTERNATIVE SOLUTION	<ul style="list-style-type: none"> <li>Manufactured in accordance with AS/NZS 3500 and AS/NZS 1260 [Aquaknight, 2017; Chemvin Plastics Limited, 22/11/2013].</li> </ul>

Other performance statements	BASIS OF STATEMENT	Demonstrated by
Aquaknight Roof Drain will not contaminate potable water		<ul style="list-style-type: none"> <li>Stainless steel is not porous and therefore not conducive to mould development.</li> <li>uPVC does not support the growth of mould.</li> </ul>

## SOURCES OF INFORMATION

- Aquaknight. [2017] *Roof drain*. <https://www.aquaknight.co.nz/roof-drain-2/>.
- Chemvin Plastics Ltd. [22/11/2013] *Technical Data Sheet*.
- SGS. [05/02/2020]. *ISO 9001*. Certificate NZ20/873752.

- Where a standard is referenced it is to be read as amended by the acceptable solution or verification method as applicable.
- Sources of information also include the Building Act 2004 and its regulations, including the Building Code (Schedule 1 of the Building Regulations 1992), Acceptable Solutions and Verification Methods, and relevant cited standards.
- The quality and assurance that the supplied products meet the performance claims stated in this pass™ are the responsibility of the company that is the holder of this pass™.



Scan or click this QR code for a full download of Compliance Documentation for this pass™.

[www.aquaknight.co.nz/downloads/storm-water/](http://www.aquaknight.co.nz/downloads/storm-water/)



Aquaknight Industries Ltd confirms that if the Aquaknight Roof Drain is used in accordance with the requirements of this pass™ the product will comply with the NZ Building Code and other performance claims set out in this pass™ and the company has met all of its obligations under s14 G of the Building Act.

**Date of first issue:** 30/07/2019

**Date of current issue:** 20/12/2022

**NZBN:** 9429000113274

Kevin Brunton

Kevin Brunton, Technical Director, TBB confirms that this pass has been prepared on behalf of Aquaknight Industries Ltd and in accordance with MBIE PTS guidelines and in accordance with the TBB pass™ process which is within the scope of TBB's ISO 9001 certification.

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