

AQUAKNIGHT DECK DRAINS

December 2024

PURPOSE:

Aquaknight Deck Drains are used as outlets/or overflow drains in conjunction with sheet, torch-on, hot mix or liquid applied waterproofing membranes in domestic and commercial applications.

EXPLANATION:

The Aquaknight Deck Drain is a hi-flow, uPVC or stainless steel outlet with a stainless steel clamping ring and polished stainless steel flat lid. The fittings have a clamping force suitable to seal all modern membrane installations.



SCOPE AND LIMITATIONS OF USE:

SCOPE	LIMITATIONS
Location	
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.
Building	
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 8 mm in thickness.	Subject to sufficient fall and outlets.
	Flow rates to be calculated in accordance with E1/AS1 or E1/VM1.
	Aquaknight Deck Drains must meet or exceed the flow rate requirements of the downpipes they are connected to.
	For mastic asphalts, torch-on and hot mix membranes, stainless steel outlets should be used.

For design, installation and maintenance information, refer to aquaknight.co.nz

PERFORMANCE CLAIMS:

If designed, installed and maintained in accordance with all Aquaknight Industries' requirements, Aquaknight Deck Drains will comply with or contribute to compliance with the following performance claims:

N.Z. Building Code clauses	BASIS OF COMPLIANCE	
	Compliance statement	Demonstrated by
B1 Structure B1.3.1, B1.3.2, B1.3.3 (a,b,c,j)	ALTERNATIVE SOLUTION	Manufactured in accordance with AS/NZS 3500 and AS/NZS 1260 [Aquaknight, 2017; Chemvin Plastics Limited, 22/11/2013].
B2 Durability B2.3.1 (b)	ALTERNATIVE SOLUTION	Manufactured in accordance with AS/NZS 3500 and AS/NZS 1260 [Aquaknight, 2017; Chemvin Plastics Limited, 22/11/2013]. Historic material performance.
E1 Surface Water E1.3.3	ACCEPTABLE SOLUTION E1/AS1 and VERIFICATION METHOD E1/VM1	Manufactured in accordance with AS/NZS 3500 and AS/NZS 1260 [Aquaknight, 2017; Chemvin Plastics Limited, 22/11/2013]. Flow rates calculated in accordance with E1/AS1 or E1/VM1.
F2 Hazardous Materials F2.3.1	ALTERNATIVE SOLUTION	Manufactured in accordance with AS/NZS 3500 and AS/NZS 1260 [Aquaknight, 2017; Chemvin Plastics Limited, 22/11/2013].



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Other performance statements	BASIS OF STATEMENT	
	Demonstrated by	
Aquaknight Deck Drain will not contaminate potable water	Stainless steel is not porous and therefore not conducive to mould development.	
	uPVC does not support the growth of mould.	

OTHER CERTIFICATION HELD BY AQUAKNIGHT:
ISO 9001 Certification [SGS, 05/02/2020].

MANUFACTURERS CONTACT DETAILS:

Manufacture location	New Zealand
Legal and trading name of manufacturer	Aquaknight Industries Ltd.