

TYPE APPROVAL CERTIFICATE

This is to certify that the undernoted product(s) has/have been tested in accordance with the relevant requirements of the DNV GL Type Approval System.

Certificate No.	12 286 - 98 HH
Company	Viadux Pty. Ltd. Level 3, 60 Macquarie street Parramatta, NSW, 2150, AUSTRALIA
Product Description	ABS Pressure Pipes and Fittings
Type	Duraflo Class 12, 15
Environmental Category	None
Technical Data / Range of Application	Size range: 15 [mm] up to 200 [mm] Pressure range: up to pipe size 40, Class 15, 15 [bar] from 50 [mm] up to 200 [mm] Class 12 / 15, 12[bar] / 15[bar] Temperature range: - 40°C to 80°C RANGE OF APPLICATION: Piping systems arranged on open decks, within tanks, cofferdams, void spaces, pipe tunnels, ducts and within accommodation, service and control spaces behind B - class and fully closed C - class ceilings and linings. The pressure derating factors specified by the manufacturers for working temperatures above 20°C are to be observed. The installation of the piping system is to be carried out in accordance with the instructions of the manufacturer and installation requirements of the IMO Resolution A.753(18) as applicable. For the use on passenger vessels national Regulations may have to be observed.
Test Standard	IMO Resolution A.753(18), except fire endurance, smoke generation, toxicity test. Flame spread acc. to ASTM D635-91. AS 3518.1/2 -1988, AS 3690/1 -1989
Documents	- Test reports, LR 98.40 to 98.44 dated 22.09.1998 - ETRS test report WC94-230 acc. to ASTM D635-91. - Catalogue, Technical data sheets - CSIRO BCE Assessment dated October 1997 -Audit Report No: 20131128_Euratech & 20140123_Pentair
Remarks	Approved production places refer to page 2

Valid until **2019-01-30**

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File No. **II.C.04**

Hamburg, 2015-06-11

Type Approval Symbol



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Secondary Approved Production Place:

**Euratech Industries Sdn. Bhd.
Lot 1478, 71800 Nilai Industrial Estate Phase II
Negeri Sembilan Darul Khusus
Malaysia**

Valid until **2019-01-30**

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