



CERTIFICATE NUMBER

04-LD465502-PDA

DATE

28 September 2004

ABS TECHNICAL OFFICE

London Ship Engineering

# CERTIFICATE OF Design Assessment

This is to Certify that a representative of this Bureau did, at the request of  
**Georg Fischer AG**

assess design plans and data for the below listed product. This assessment is a representation by the Bureau as to the degree of compliance the design exhibits with applicable sections of the Rules. This assessment does not waive unit certification or classification procedures required by ABS Rules for products to be installed in ABS classed vessels or facilities. This certificate, by itself, does not reflect that the product is Type Approved. The scope and limitations of this assessment are detailed on the pages attached to this certificate. It will remain valid for five years from the date of issue or until the Rules or specifications used in the assessment are revised (whichever occurs first).

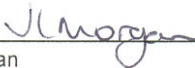
PRODUCT: Plastic Pipes, Fittings and Valves

MODEL: "INSTAFLEX" PB

ABS RULE: 2004 Steel Vessel Rules 1-1-4/3.7, 4-6-3/5.1, 4-6-3/5.3, 4-6-3/5.7, 4-6-3/5.11, 4-6-3/5.13, 4-6-3/5.15 and 4-6-3/5.17

OTHER STANDARD: ASTM D 635-91, UL 94, BS 5955 Pt 8, BS 6920 and BS 7291.; ISO 9080, ISO 75-2004 and ISO 3127;

AMERICAN BUREAU OF SHIPPING

  
John L. Morgan

Engineering Type Approval Co-ordinator