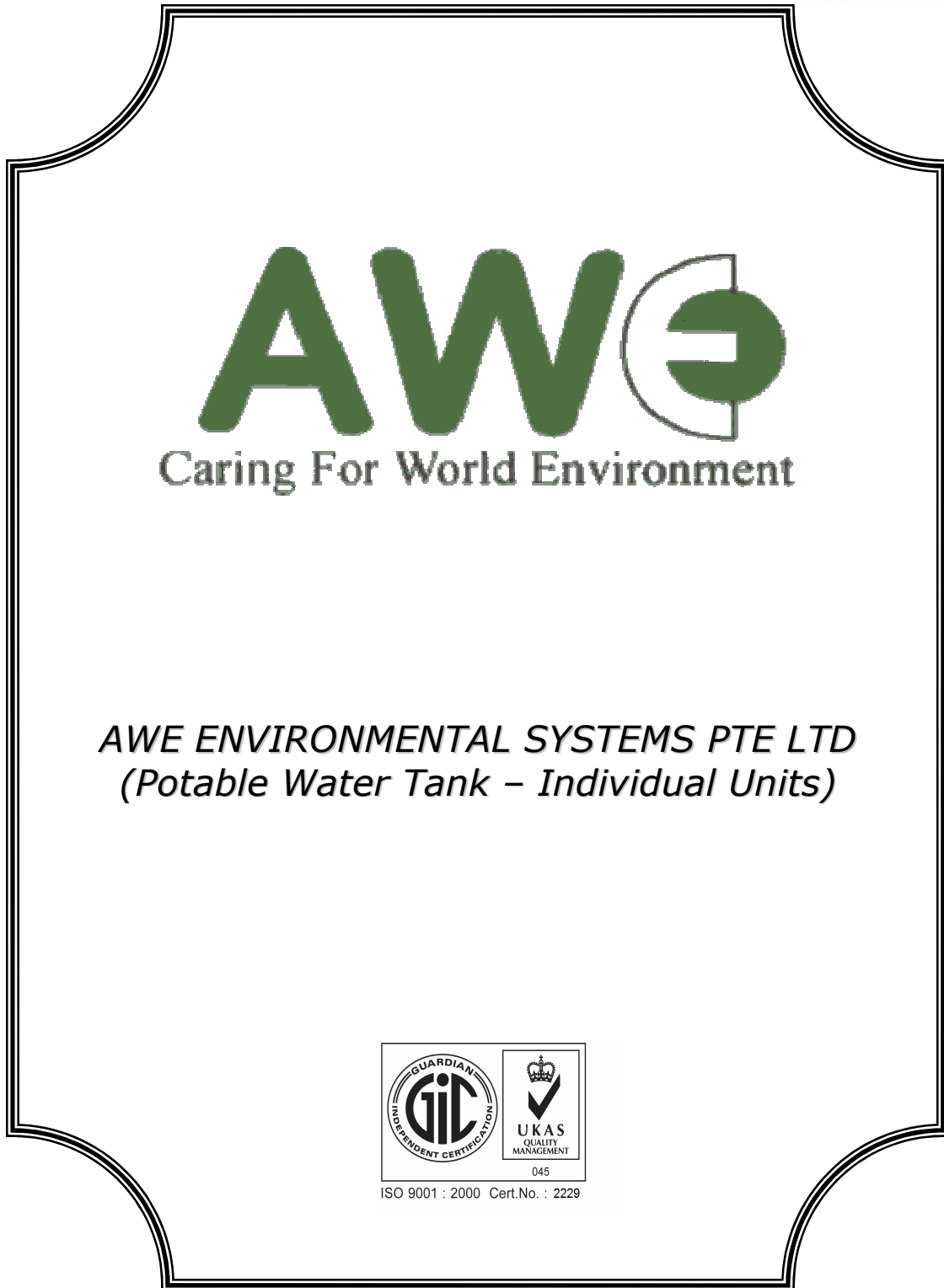


AWE ENVIRONMENTAL SYSTEMS PTE LTD

10 Admiralty Street #01-36 NorthLink Building Singapore 757695
Tel: 6314 8827 Fax: 6365 1796 Email: aweenv@singnet.com.sg



ISO 9001 : 2000 Cert.No. : 2229



Air Pollution Control. Waste Water Treatment. Water Recycling. FRP Ducting. Exhaust Fan. Fluid Filtration

FIBERGLASS POTABLE WATER TANK (INDIVIDUAL UNITS)

AWE has extensive experience in the manufacture of different types of tanks of various sizes to suit individual customer's needs.

In consideration of requirements for provision of potable water tanks for individual house units, AWE has since manufactured small units of potable water tanks especially useful for individual houses or resorts to ensure that each unit is self-sufficient in water supply.

AWE's potable water tank is tested to be manufactured with material suitable for drinking water.

AWE can also manufacture bigger units of potable water tank which is used at industrial site or for usage at open areas.



Sizes of Potable Water Tank (individual units)

Small 1.2m L x 1.2m W x 1m Ht

Medium 1.4m L x 1.4m W x 1m Ht

Large 2.5m L x 1m W x 1m Ht

Other dimensions are also available upon request but has to be custom-made

We herein attach a test report for the testing of the above tank in accordance for specification for glass reinforced polyester sectional water tanks.

Please do not hesitate to contact us in the case if you need further details.

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TEST REPORT

T2

Singapore Institute
of Standards and
Industrial Research

117, Upper Boon Leat Road,
Singapore 117602

Date: 1990-05-21

Page 1 of 2

Please quote order No. 888888

Your Ref:

Our Ref: T-10742/ST/DBY/AL

NOTE: This Report is issued subject to the conditions set out on cover. The samples investigated are required to conform to standards, the test methods and procedures are not included in the sampling and selection. SISIR does not assume any responsibility for the accuracy of information on the brand name, model number, origin of manufacture, consignment or any other information supplied.

TESTING OF FIBREGLASS PANEL

Client : M/S AWE Environmental Systems P/L
10 Admiralty Street #01-36 Northlink Building
Singapore 757695
Attn: Mr B.C. Ng

Background :

The following fibreglass samples were received on 1990-04-20 for evaluation :

- a) 230mm x 220mm x 3mm (1 panel)
- b) 204mm x 204mm x 9mm (1 panel)
- c) 180mm x 12.5mm x 6.5mm (7 pieces)
- d) 230mm x 25mm x 6.5mm* (10 pieces)

*Specimens conformed to figure 5 of SS245 : 1981.

The specimens were said to be made using the materials listed in their letter dated 1990-04-10 (attached). Conforming to methods specified in NBS PS 15 : 69.

Test Method :

SS 245 : 1981

Specification for Glass Reinforced Polyester Sectional Water Tanks

1. Visual defects (Section 10.1.1)
2. Physical properties of GRP panel (Appendix A-F)

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RESULTS :

Characteristics	Observation	SS 245 : 1981 Requirements
Visual defects		
Pin holes	none detected) Internal and
Poor impregnation	opaque sample) external surfaces
Scars	none observed) to be no defects.
Rough contour	none observed) If there is, the
Repaired marks	none observed) defects should be
Blister	opaque sample) inconspicuous.

Physical Properties	Results	SS 245 : 1981 Requirements
a) Tensile Strength at Break (MN/m ²)	116.7 (10.2)	70 min
b) Bending Strength (MN/m ²)	169 (8.9)	100 min
c) Elastic Modulus in Bend (MN/m ²)	6457 (152.9)	6000 min
d) Glass Content (%)	33.5	25 min
e) Barcol Hardness	52	30 or 90% of the resin manufacturer's specification whichever is higher.
f) Water Absorption (%)	0.15	1.0 max

Remarks :

- Visual inspection was carried out on an opaque panel of dimension 204mm x 204mm x 9mm.
- Values in parentheses are the standard deviations.


 TRICIA DANG BEE YOKE (MISS)
 TECHNICAL OFFICER


 SOONG KOK MENG
 SCIENTIFIC OFFICER
 POLYMER TECHNOLOGY CENTRE

1/2001



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