

**DEPARTMENT OF TRADE AND INDUSTRY  
DEPARTEMENT VAN HANDEL EN NYWERHEID**

**No. R. 362**

**16 May 2014**

**NATIONAL REGULATOR FOR COMPULSORY SPECIFICATIONS ACT  
(Act 5 of 2008)**

**THE COMPULSORY SPECIFICATION FOR HOT WATER STORAGE TANKS  
FOR DOMESTIC USE (VC 9006)**

I, Dr Rob Davies, Minister of Trade and Industry, hereby under Section 13 (1) (a) of the National Regulator for Compulsory Specifications Act (Act 5 of 2008), and on recommendation of the NRCS Board, declare the Compulsory Specification set out in the attached schedule, to be a Compulsory Specification for hot water storage tanks for domestic use, with effect from the date two (2) months after publication of this notice.



Dr Rob Davies, MP  
Minister of Trade and Industry

**VC 9006****COMPULSORY SPECIFICATION FOR HOT WATER STORAGE TANKS FOR DOMESTIC USE****SCHEDULE****1. SCOPE**

This compulsory specification covers the requirements for hot water storage tanks for domestic use. It includes

- fixed electrical storage water heaters;
- stand-alone water heaters and water containers, with or without heat exchangers or heating jackets, intended for use in solar heating and heat pump applications; and
- tanks used for storage of hot water only.

**2. DEFINITIONS**

For the purposes of this compulsory specification the definitions in SANS 151 *Fixed electrical storage water heaters* and the following shall apply:

**2.1 applicant:**

A manufacturer or importer applying for approval of hot water storage tanks. The manufacturer or importer shall be an existing legal entity within the Republic of South Africa.

**2.2 approval:**

Confirmation by the NRCS that hot water storage tanks satisfy the requirements of this Compulsory Specification;

**2.3 manufacturer:**

Entity that manufactures hot water storage tanks;

**2.4 Minister:**

The Minister of Trade and Industry.

**2.5 NRCS:**

The National Regulator for Compulsory Specifications, established by the National Regulator for Compulsory Specifications Act, 2008 (Act No. 5 of 2008).

**3. SPECIFIC REQUIREMENTS**

3.1 Fixed electrical storage water heaters shall comply with the requirements of SANS 151 *Fixed electrical storage water heaters*.

3.2 Hot water storage tanks that do not incorporate means of electrical resistance heating shall comply with the requirements of SANS 151 excepting for the following:

- For electrical safety: Clause 4.5 of Edition 7.1 – Safety Requirements;
- Clause 5.5 of Edition 7.1 - Mounting of heating units and thermostats where applicable;
- Clause 5.10 of Edition 7.1 - Electrical connections;
- Clause 5.11 of Edition 7.1 - Immersion heaters and thermostats (where provision is made for the fitment thereof)
- Clause 6.7 of Edition 7.1 - Hot water output (standard, solar, and heat pump water heaters);

Clause 6.8 of Edition 7.1 - Reheating time (where provision is made for heating units);

- The markings in clause 8.1.1.d) and 8.1.3 of Edition 7.1 - *Whether the water heater is a standard water heater or a solar (or dual) water heater; and Additional marking*, respectively.

3.3 The applicant shall ensure that every type of hot water storage tank has been approved by the NRCS in accordance with the requirements of Annex A of this compulsory specification before manufacture, import, sale or supply.

3.4 The applicant shall inform the NRCS of any change in the material, method of manufacture, design or components affecting any mandatory requirement of this compulsory specification. In the event of such change/s the NRCS may, at its discretion, demand the submission of fresh evidence of conformity or a new application for approval.

#### **4. CONFORMITY TO REFERENCED STANDARDS**

For the purposes of this compulsory specification, a new edition of a referenced standard shall become effective 12 months from the date of publication as a South African National Standard. When a new edition of a referenced standard is published, products originally approved in accordance with the previous edition of that standard may on application have their approval extended by the NRCS.

**ANNEX A - APPROVAL OF HOT WATER STORAGE TANKS****A.1 APPLICATION FOR APPROVAL**

The applicant shall apply to the NRCS for approval of every type of hot water storage tank. The application shall be accompanied by the following:

**A.1.1** Technical specifications and drawings compiled in sufficient detail to identify the type and model of the hot water storage tank, method of assembly, and materials of construction.

**A.1.2** Details of the manufacturing plant/s where the hot water storage tank is produced;

**A.1.3** Evidence of conformity including test reports by a conformity assessment body recognized in terms of the NRCS's Conformity Assessment Policy issued less than 12 months before the date of submission to the NRCS, that prove compliance with all the requirements of this compulsory specification;

**A.1.4** The markings to be applied to each type and model of hot water storage tank;

**A.1.5** Information for users including instructions for use;

**A.1.6** Information to the satisfaction of the NRCS regarding the measures taken by the applicant to ensure ongoing conformity with the mandatory requirements of this compulsory specification; and

**A.1.7** Any reasonable additional information in order to clarify the above that may be requested by the NRCS.

**A.2 APPROVAL**

**A.2.1** The NRCS shall assess the evidence of conformity supplied by the applicant and shall grant approval when the mandatory requirements have been met.

**A.2.2** The NRCS shall assign a unique approval number to each approved type and model of hot water storage tank.

**A.2.3** The NRCS shall confirm that approval has been granted to the applicant by means of a Letter of Authority certificate bearing the approval number referred to in paragraph A.2.2.

**A.2.4** The approval granted with respect to hot water storage tanks pursuant to this compulsory specification may be withdrawn by the NRCS at any time, by giving written notice to the applicant, if the requirements have not been met or maintained.