

INFRASTRUCTURE ENGINEERING

PROCUREMENT SPECIFICATION

Specification for Steel Liquid Container

Author: Technician
Tech & Legal Compliance

Amanda Apleni

Approved: Act Principal Engineer
Tech & Legal Compliance

Molefi Moeketsane

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1. Scope

- 1.1 This specification covers the requirements for the supply of steel liquid bucket.
- 1.2 The liquid container design and product quality must conform to the Occupational Health and Safety Act 85 of 1993 and it must be approved by the South African Bureau of Standards.

2. Technical Requirements

- 2.1 The liquid container must be robust.
- 2.2 The liquid container must be made from pressed steel.
- 2.3 The colour of the liquid container must be either silver, cargo green or red.
- 2.4 The design and construction of the liquid container must comply with below dimensional limitations.

- Material : Stainless steel
- Weight must not exceed 4kg
- Volume : 10 litres

3. Environmental Conditions

- 3.1 The liquid container required shall be used in all weather conditions having altitudes varying from sea level to 1850m above sea level, relative humidity 0% to 90% and atmospheric conditions which vary from heavily saline to dry and dusty.
- 3.2 Ambient air temperatures ranging from -5° C to 50° C.
- 3.3 The supply of liquid containers conforming to this specification must be suitable for use and storage in the temperature ranges -40°C to 100°C of polyester,

4. Qualification Requirements

- 4.1 It is the responsibility of the supplier to ensure that all design, construction, testing and examination of the liquid container must be carried out by a competent person.
- 4.2 The design of the steel liquid container required must be that of the manufacturer, it must be of robust construction in order to meet sustained operational duty demands, yet they must be light and easy for effective and safe use.

5. Quality Management Requirement

5.1 It is the responsibility of the supplier to ensure that the quality and the manufacturers test management conforms to ISO 9001:2008

6. Legal and Operational

6.1 It is the supplier's responsibility to ensure that all safety regulation processes and legislation concerning the manufacturing of the steel liquid containers has been adhered to accordingly.