

API 650 Self-Bunded Tanks (Locally Manufactured)

Engineered Strength. Built in Africa. Trusted in the Field.

Petrobuild designs and manufactures API 650 self-bunded fuel storage tanks, engineered to meet the demanding requirements of fuel storage projects across the Democratic Republic of Congo and the wider African region. Combining internationally recognized engineering standards with local manufacturing expertise, our tanks deliver durability, safety, and cost-effective performance in the harshest operating environments.



Product Overview

Item	Specification
Tank Type	Self-Bunded Tank with Lifting Pockets
Capacity	8000 L
Design Standard	API 650 & Roark's Formula
Operating Pressure	Atmospheric
Design Pressure	10 kPa
Design Temperature	50°C
Liquid Specific Gravity	1

Construction Details

Component	Specification
Material of Construction	Mild Steel
Material Grade	EN 10025-2 S235JR
Outer Shell Thickness	3 mm
Top Cover Thickness	6 mm
Bottom Plate Thickness	6 mm
Stiffeners	EN 10025-2 S235JR
Joint Efficiency	0.7
Corrosion Allowance	0 mm

Finish & Coating

Surface Preparation	Sandblasted
Coating System	Industrial-grade primer + topcoat
Standard Colour	White (Petrobuild branded)

Fittings & Components

Item	Specification
Nozzles	SA106-B
Fittings	SA234-WPB
Bolts & Nuts	SA193-B7
Bund Vent	Included
Dip Stick	Included
Inspection / Manhole Cover	Included
Lifting Pockets	Included
Bearer / Base Frame	Included

Optional Equipment

Option	Description
Pump & Dispensing System	Integrated fuel transfer system
Filtration Unit	Fuel cleanliness and protection
Lockable Cabinet	Security and equipment protection
Overfill Protection	Prevents accidental overfilling
Flow Meter	Fuel monitoring and control
Fuel Management System	Automated fuel tracking

Built to API 650 Standards

Our tanks are fabricated in accordance with API 650 welding standards, ensuring:

- High structural integrity
- Precision welding and fabrication
- Compliance with internationally recognized engineering practices
- Long service life under demanding field conditions

The Advantage of Local Manufacturing

As a DRC-registered company, Petrobuild provides the benefits of local manufacturing, including:

- Faster project turnaround times
- Reduced transport and import costs
- Flexibility in design and customization
- Support for local industry and workforce development

Self-Bunded for Maximum Environmental Protection

Our tanks feature a double-wall (self-bunded) design with integrated secondary containment to:

- Prevent environmental contamination
- Eliminate the need for external bund walls
- Improve operational safety and regulatory compliance
- Reduce installation complexity and civil works

Key Features

- API 650 compliant welded steel construction
- Double-wall (self-bunded) configuration
- Suitable for diesel, petrol, and bulk fuel storage
- Custom-built capacities and dimensions
- Corrosion protection and industrial coating systems
- Optional pumps, piping, filtration, and dispensing systems
- Designed for African operating conditions

Applications

Petrobuild self-bunded tanks are ideal for:

- Mining and energy projects
- Fuel depots and bulk storage facilities
- Industrial and commercial operations
- Transport and logistics hubs
- Remote and high-demand environments