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Sarena Hot Press Moulded GRP Sectional Tanks

*Engineered for **long-term** storage of water, compliant with the Water Regulations, Approved Code of Practice L8 and BS EN 13280:2001*

SARENA panels are formed by hot press moulding machine prepared compound in matched steel tooling. This modern process produces consistent, close tolerance panels with negligible shrinkage and extremely thick bolting faces.

Panels are machine drilled and when required, insulated using polyurethane foam with a tough, weatherproof, ABS capping. The foam is bonded over its full extent and covers the full extent of the panel. A U value as low as 0.4 W/m²/K is achievable by this 50mm thick system. The insulation extends over the full panel area to minimise condensation.

Panels are sealed using a high performance ribbed, pre-punched EPDM rubber gasket. This is a creep free system to ensure tank performance for many years.

Joints are supported by a combination of vertical external beams and internal tie depending upon the tank height. Design is compliant with BS 5950.

The tank cover is flat, without tripping hazards and is supported at 1.0m centres with PVCU struts.

Two designs of tank base are available:
Drainaway[®] base and **Flat** base.

Drainaway base tanks comprise dome and drain outlet panels that allow 100% self draining of the tank. They are typically supported by pier walls or steel structures with clear space under the tank.

Flat base tanks comprise only flat panels that require the use of a submersible pump to drain entirely. They are typically supported by a solid continuous slab.

The tanks are available as single or multi-compartment and are built in-situ. They are available in varying levels of specification up to **W16-4** for potable water.

Accessories include: Tank connections, inlet valves, level sensors, access ladders, handrailing and type AB airgaps.



- Hot press moulding for consistency and close tolerances
- Creep free EPDM gaskets system for long term watertightness
- Heights up to 4.0m
- Fully self-draining Drainaway[®] design
- 50mm thick insulation with ABS protective shell



- GRP- UV Stabilised isophthalic UP resin with chopped glass rovings
- Colour- Light grey
- Internal steelwork-316 grade stainless steel
- Internal fasteners-A4 grade stainless steel
- External steelwork- Galvanised mild steel
- Design basis- BS EN 13280:2001
- Insulation- Low density Polyurethane foam
- Insulation shell- vacuum formed ABS with ASA capping

