

PRODUCT CERTIFICATION



GLOBAL CERTIFICATION PTY LTD

Certificate of Conformance
Product Standard - AS/NZS 1546.1:2008

Number: 183

This Certificate of Conformance to the Product Certificate Scheme for "Domestic Wastewater Treatment Units (Septic Tanks) and Rainwater Tanks" remains the property of Global Certification Pty. Ltd. and is granted subject to the terms and conditions of the Contract Application, in respect of the Product certified on this page and the attached schedule to the Certification of Conformance, bearing the same number as this certificate.

Company **GRAF PLASTICS AUSTRALIA PTY LTD**

Head Office Address **23 SUCCESS WAY, HENDERSON WA 6166**

Certification Date: **28 OCTOBER 2013**

Expiry Date: **26 APRIL 2024**

Product Certified:

| Tank Type | Description | Total Size | Additional Product Information | Manufacture & Assembly Sites |
|--|---|--|---|---|
| Poly underground water tanks and collection tanks and pump wells | Vertical axis type Plastic rotational moulded polyethylene construction | Platin XXL 30,000 litres Platin XXL 25,000 litres Platin XXL 20,000 litres Platin XL 15,000 litres Platin XL 10,000 litres Rondus:- 3,000 litres Columbus:- 6,500 litres Platin 5000 - 5,000 litres Platin 3000:- 3,000 litres Platin 1500 - 1,500 litres Lilo 5000:- 5,000 litres Lilo 3000:- 3,000 litres Lilo 1500:- 1,500 litres Pumpout Chamber 600 litres Pumpout Chamber 900 litres Pumpout Chamber 1,200 litres Sapphire 600:- 600 litres Sapphire 900:- 900 litres Sapphire 1200:- 1,200 litres Sapphire 1500:- 1,500 litres | Wall, roof and floor thickness >6mm Tank lid burial depth = ground level | Manufactured Otto Graf GmbH Tenigen Germany Assembled Henderson, Western Australia 6166 Manufactured and assembled Henderson, Western Australia 6166 |
| | Xylem Pressure Sewer Collection Tank | 900 Litres | | |
| | | Diamant:- 2200 litres Diamant 3350 litres | | Manufactured Carl-Zeiss-Str- 2-6 DE-79331, Teningen Germany, and Henderson, Western Australia 6166 |

28 October 2013
Certification Date

Director

PO Box 953 Belconnen ACT 2616

DATE OF ISSUE: 5th July 2021



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| Tank Type | Description | Total Size | Additional Product Information | Manufacture & Assembly Sites |
|--|--|--|---|--|
| Poly under-ground rotation-ally moulded tank | Vertical axis type Plastic rotational moulded polyethylene construction | Super.Compact 2000L Super.Compact 3000L Super.Compact 4000L Super.Compact 5000L Super.Compact 10000L | Wall, roof and floor thickness >6mm Tank lid burial depth = ground level | Manufactured Otto Graf GmbH Tenigen Germany Assembled Henderson, Western Australia 6166 |
| | | | | |

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Schedule to the Certificate of Conformance

Product Certified to AS/NZS 1546.1:2008

| Tank Type | Description | Total Size | Working Capacity | Additional Product Information | Manufacture & Assembly Sites |
|---------------------------------|---|---|---|---|---|
| Septic Tank/ Collection well | Injection moulded polypropylene tank, lid, partitions (if required), access and inspection covers containing ultra violet stabilizer. | Carat 2700:- 2,700 litres Carat 3750:- 3,750 litres Carat 4800:- 4,800 litres Carat 6500:- 6,500 litres Carat XL 8,500 litres Carat XL 10,000 litres Herkules:- 1,600 litres | Carat 2700:- 2,700 litres Carat 3750:- 3,750 litres Carat 4800:- 4,800 litres Carat 6500:- 6,500 litres Carat XL 8,500 litres Carat XL 10,000 litres Herkules:- 1,600 litres | Wall, roof and floor thickness >6mm Tank lid burial depth = ground level Note:- When the Carat tanks are installed with baffles special wedges must be used to secure the baffle. The carat tanks must be installed as specified by the manufacturer which must be available with the delivered carat tank/s A summary of the instructions is attached to this certificate for information purposes | Manufactured Otto Graf GmbH Tenigen Germany Assembled Henderson, Western Australia 6166 |
| | Sapphire Vertical axis type Plastic rotational moulded polyethylene construction | Sapphire 1200 1320 Litres Sapphire 900 1060 Litres | Sapphire 1200 1200 litres Sapphire 900 900 Litres | | Manufactured and Assembled Henderson, Western Australia 6166 |

Registration is specific to products from the location(s) shown on the certificate, and/or above.

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Appendix to the Schedule to the Certificate of Conformance for AS/NZS 1546.1: 2018

Overview of the Install Instructions for a Carat Tank

Safety

The relevant accident prevention regulations must be observed during all work. Particularly when walking on the tanks, a 2nd person is required to secure the tank. The relevant regulations and standards must additionally be taken into consideration during installation, assembly, servicing, repair, etc. During all work on the system or parts of the system, the entire system must always be rendered inoperable and secured to prevent unauthorised reactivation. Except in the event of work carried out in the tank, the cover of the tank must always be kept sealed.

Proposed construction site

Under all circumstances, the following points must be clarified prior to installation:

- The structural suitability of the ground.
- Maximum groundwater levels which occur and drainage capability of the subsoil.
- Types of load which occur, e.g. traffic loads.
- Expert ground report should be requested from the local planning authority to determine the physical characteristics of the subsoil (Geotechnical Report).

Pre-Installation

- Make sure the tank has been ordered with in the correct height to finished ground level,
- the tank has been delivered undamaged.

Installation conditions

- Trench: Make sure that enough space is available for working around the tank, the base area of the trench must exceed the dimensions of the tank by 500 mm on each side.
- The distance from solid constructions must be at least 1000 mm.
- The trench embankment must be designed so that slippage or collapse of the embankment wall is not to be anticipated.
- The construction site must be horizontal and levelled to guarantee enough loadbearing capacity.
- The depth of the trench must be dimensioned so that the max. earth coverage (see installation conditions) above the tank is not exceeded.
- To use the system throughout the entire year, it is necessary to install the tank and those parts of the system which conduct water in the frost-free area.
- The frost-free depth is usually approx. 600 mm – 800 mm; precise information in this regard can be obtained from the responsible authority.
- A layer of compacted, round-grain gravel (grain size 8 – 16mm, thickness approx. 150 - 200 mm) is applied as the foundation.
- Slope, embankment. On installation of the tank in the immediate proximity (< 5 m) of a slope, earthen mound or slope, a statically calculated supporting wall must be erected to absorb the soil pressure. The wall must exceed the dimensions of the tank by at least 500 mm in all directions and must be located at least 1000 mm away from the tank.

Groundwater and cohesive (water-impermeable) soils:

- If it is anticipated that the tanks will be immersed into the groundwater, a ring-shaped drainage system must be installed to ensure the tank is not more than 350mm emerged in water (in the case of cohesive, water-impermeable soils).
- Minimum distance to installation close to moving vehicles heavier than passenger cars is the depth of the trench.

Installation

- The tanks must be inserted, impact-free, into the prepared trench using suitable equipment. The tank is filled with 1/3 water before starting the backfill.
- The backfill is specified as gravel, max. grain size 8 to 16mm.
- The backfill must be done in 300mm layers between compaction. The compaction should be done by hand.
- The space between tank and sides is minimum 500mm.

Please note: The purpose of this overview is to make all regulators and customers aware of the critical points in the Installation Instructions.

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