

# Platin Underground Rainwater Tank

A superior underground rainwater tank that is easy to transport, handle and install.



TECHNICAL GUIDE: **TC4.1**

## Applications

Ideal for the underground capture and storage of rainwater

## Product Attributes

Robust and lightweight HDPE construction

Shallow dig for easy installation

Ribbed construction for unbeatable stability and strength

Link tanks for increased capacity

15 year warranty, when installed according to manufacturer's guidelines

Tank, lid shaft and lid are all fully sealed meaning no seepage or dirt can enter the tank

## Approvals/Standards

Certified to AS/NZS 1546.1:2008

## Quality

ISO 9001:2008 Quality Management Standard

50 year design life

## A superior underground rainwater tank that is easy to transport, handle and install.

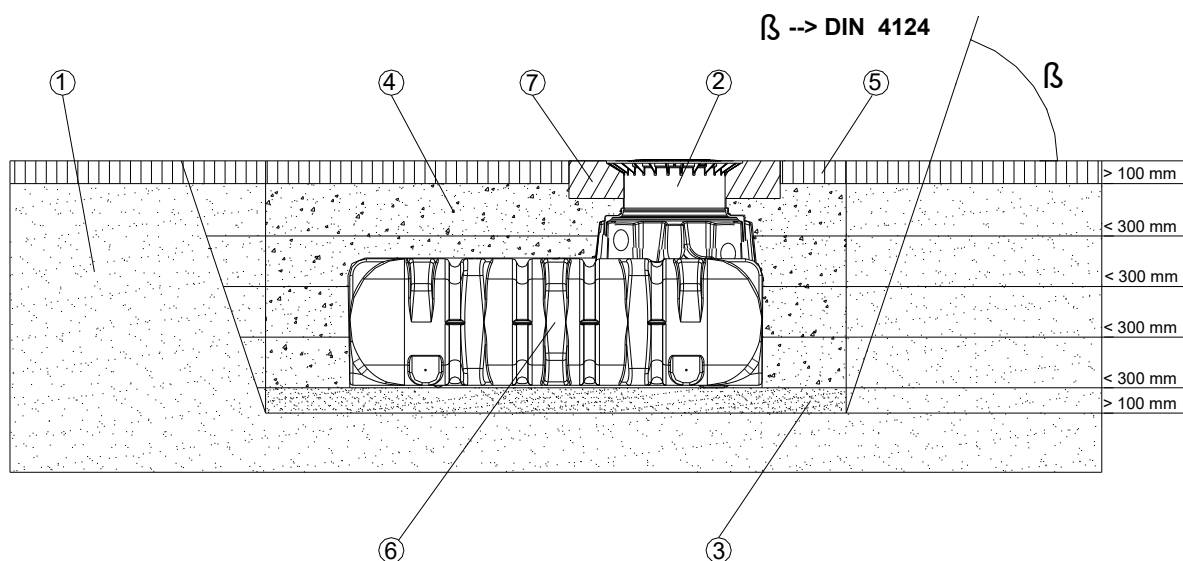
### Features

- Lightweight, robust HDPE construction.
- Easy transport due to low weight.
- Secure investment thanks to 15-year warranty.
- Specifically designed to be buried, and compliant with AS/NZS1546.1:2008.
- Minimum installation depth means a short installation time and low installation costs.
- Suitable for vehicle loading (in combination with a Telescopic dome shaft with cast iron lid). The Platin tank can therefore also be installed under your driveway.
- Groundwater-stable up to the tank shoulder thanks to extremely stable design.
- Attractive tank lid that can be telescoped and tilted in a continuously variable manner up to 5°.
- Optional Integrated filter technology.
- Large tank dome for easy filter installation. Its size also makes access for maintenance and cleaning work much easier.
- The Platin tanks can be linked to create more storage if required.

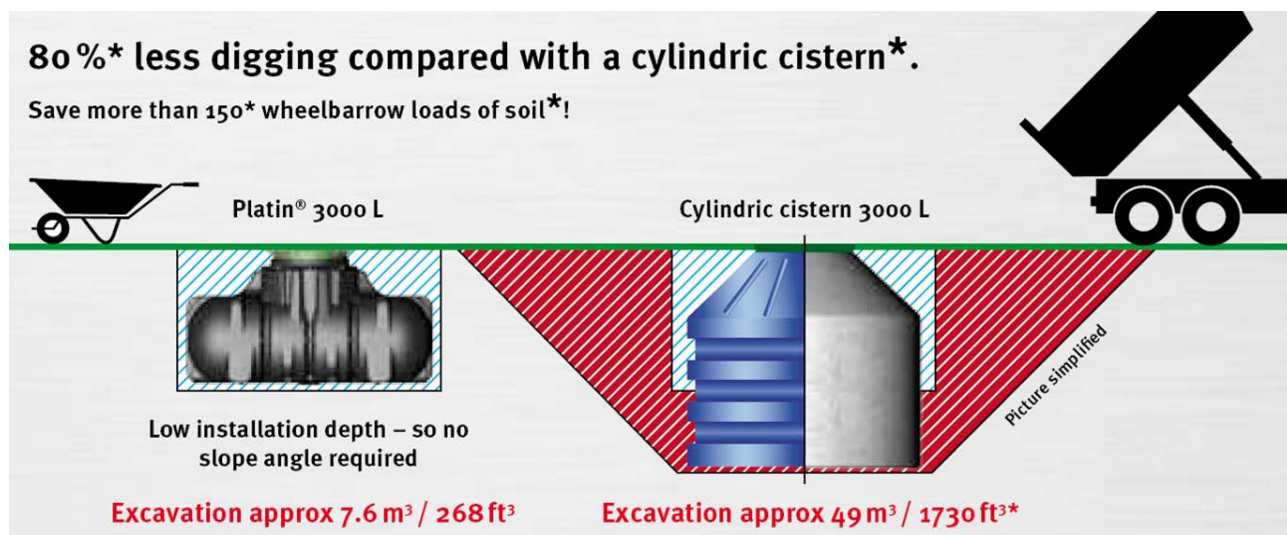


## Installation

- ① Subsoil
  - ② Telescopic dome shaft
  - ③ Compacted foundation
  - ④ Surrounding (round-grained gravel, max. grain size 8/16)
  - ⑤ Covering layer
  - ⑥ PLATIN Rainwater Underground Tank
  - ⑦ Concrete layer for surfaces used by passenger cars
- β --> DIN 4124 from 1250 mm depth of the trench



Please refer to the Platin Installation Guide for more detailed information.



\*Based on a vertical, cylindrical tank with useable volume of 3000 ltr, a height of 1.90m and a diameter of 2.20m. Calculation of excavation is under consideration of a ditch bottom of 10cm, a sidewise distance of 50cm and a slope with 45o gradient.

# The Platin modular system

## 1. Choose your tank size

### Flat tank Platin

Suitable for vehicle loading in conjunction with the Telescopic dome shaft with cast-iron lid (accessory)



**FIG. 1**  
1,500 Litres  
Code: PLAT1500



**FIG. 2**  
3,000 Litres  
Code: PLAT3000



**FIG. 3**  
5,000 Litres  
Code: PLAT5000

## 2. Select your desired tank cover



**FIG. 4** Telescopic dome shaft Mini, suitable for pedestrian loading. This standard shaft and lid is specifically designed for non-vehicle loading which makes it ideal for general garden use. The shaft can be adjusted from 140mm to 340mm and tilted up to 50° to make installation to finished ground level easy. Includes a tough, long lasting child proof lockable PE lid. Maximum weight: 150kg  
Code: PLAT371010



**FIG. 5** Telescopic dome shaft cast-iron, suitable for vehicle loading. Designed specifically to cope with the weight of passenger vehicles, this shaft can be adjusted from 140mm - 440mm and tilted up to 50° to sit flush with the ground level. Includes a child safe cast iron lid. Maximum weight: 3.5 tonnes Gross Vehicle Mass  
Code: PLAT371020



**FIG. 6** Water connection box Internal. Draw water directly from the Platin flat tank. Can be easily upgraded with the telescopic dome shaft Mini.  
Code: PLAT375119

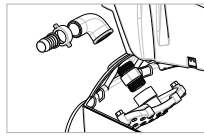


**FIG. 7** Extension Riser. The optional extension riser is for use with any of our telescopic dome shafts to increase the height of the lid. Ideal for areas with low stormwater pipes, areas prone to freezing and where an existing hole is too deep. Always refer to installation instructions when using this item.  
Code: PLAT371003

### 3. Select your desired tank filter package



**FIG. 8** Minimax Pro Filter  
Tank filter package for the house  
Self-cleaning filter technology  
More than 95% water yield  
Minimum maintenance  
Code: PLAT340119

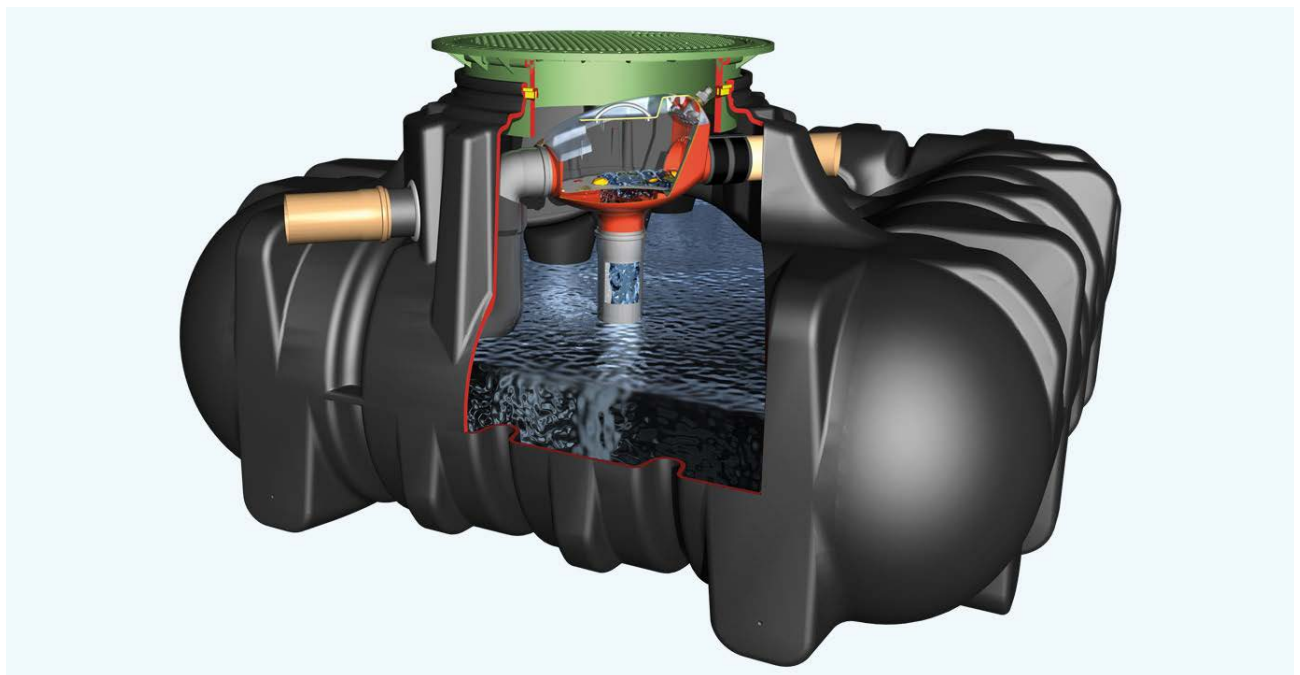


**FIG. 9** Optional Accessory  
Platin Cleaning Unit - ODTIMAX - PRO  
Minimax cleaning unit without hose  
Code: PLAT340040

#### Filters

##### Minimax Filter System

- Designed with a minimal height offset between the inlet and outlet, this is a great option where there is minimal fall in the storm water pipes. This mosquito proof filter provides over 95% water yield.
  - Roof areas up to 350 sqm
  - Standard 100mm connections
  - Spray cleaning unit (reduces maintenance requirements)
  - Filter insert mesh width 0.35mm
  - Plumbing is a minimum 305mm below the surface.
- Minimax Filter Package Includes:
    - Filter and Housing
    - Inlet & Outlet Adaptors
    - Rodent Guard
    - 2 Spannfix Collars for easy connection
    - Emergency Storm Overflow Siphon
    - Inflow stilling system which takes incoming water right to the base of the tank



### 4. Add a Pump to suit your application

(see stockist for details).

Technical Data

TABLE 2 Technical Data

Graf Platin Tank	1500 Litres	3000 Litres	5000 Litres
Weight	82 kg	180 kg	250 kg
L	2100 mm	2450 mm	2890 mm
W	1250 mm	2100 mm	2300 mm
H	700 mm	735 mm	950 mm
Htot*	1015 mm	1050 mm	1265 mm
Minimum Hole Size (L x W x H)	2300 x 1450 x 1155 mm	2650 x 2300 x 1190 mm	

\*Htot = total height

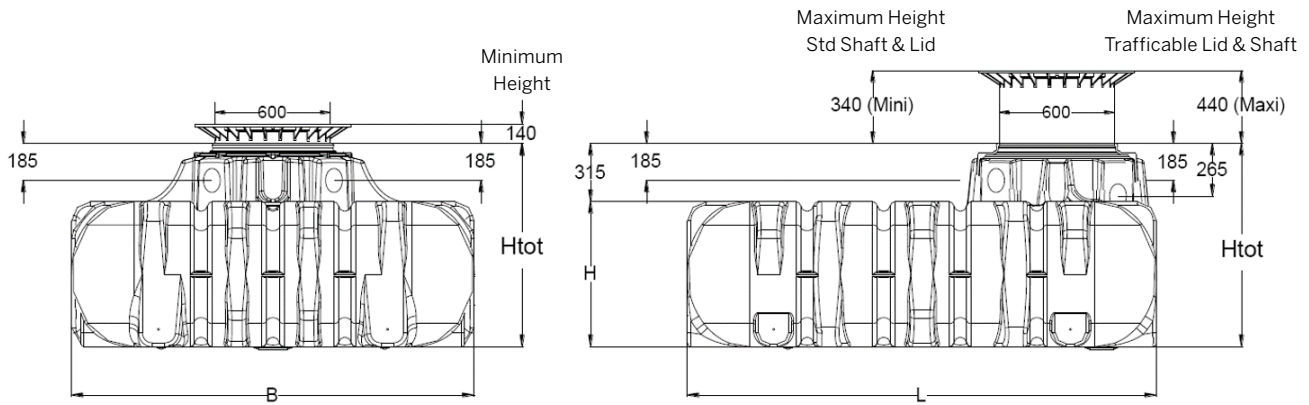


TABLE 3 Technical Data

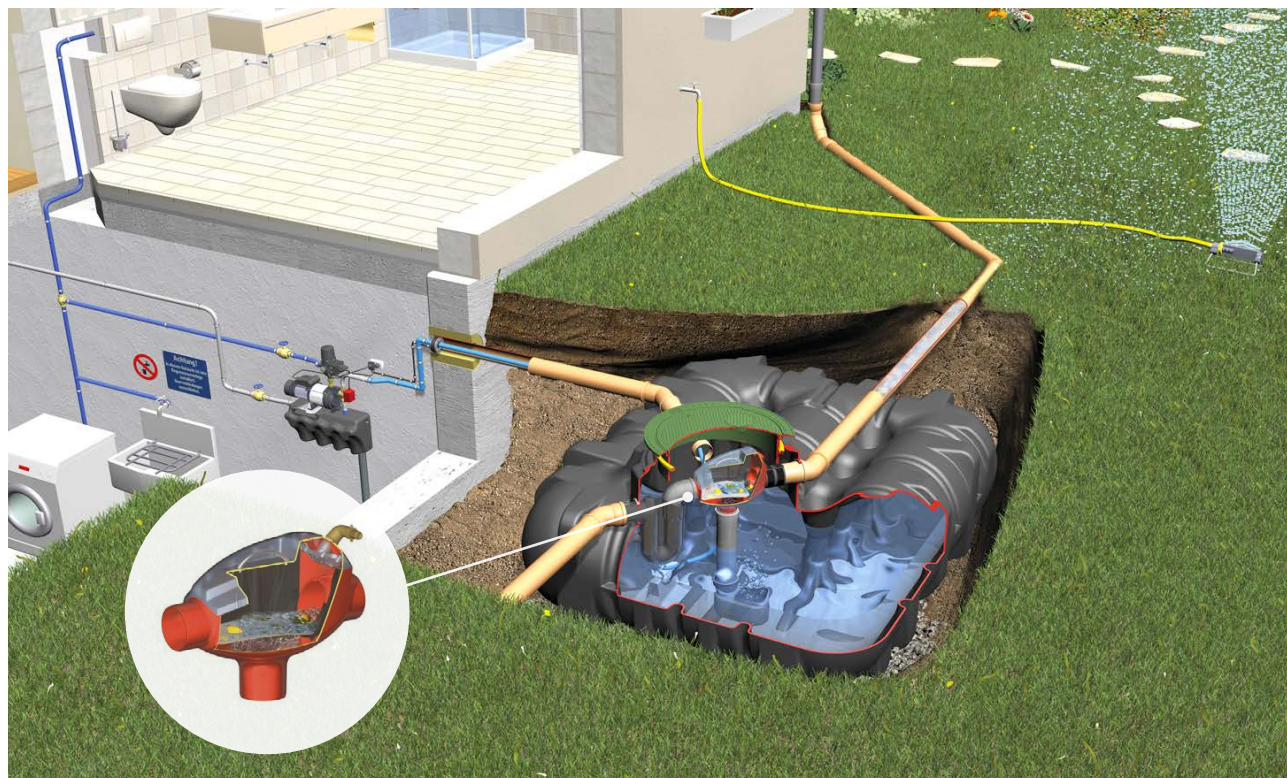
Max. earth covering:	1200 mm (3' 11.2")
Max. axle load:	2.2 T
Max. vehicle weight:	3.5 T
Earth covering with loading capacity:	700 - 1000 mm (27.6") - (3' 3.4")
Groundwater stability:	up to the middle of the tank
Earth covering with groundwater installation:	700 - 1200 mm (27.6") - (3' 11.2")
Connection options:	4 x DN 100 (4")

TABLE 4 Product Codes

Code	Description
PLAT1500	Platin UG Tank 1500L Basic Graf w/ 4x100, 1x50seals NO LID
PLAT3000	Platin UG Tank 3000L Basic Graf w/ 4x100, 1x50seals NO LID
PLAT5000	Platin UG Tank 5000L Basic Graf w/ 4x100, 1x50seals NO LID
PLAT371010	Platin Pedestrian Lid Graf
PLAT371020	Platin Trafficable Lid Class B Graf
PLAT371003	Platin Extension Riser Graf
PLAT332032	Platin red interconnection seal 100mm Graf
PLAT332033	Platin black seal 100mm Graf
PLAT332035	Platin black seal 150mm Graf tank turret non filter pkg only
PLAT340119	Platin Minimax Pro Filter Graf
PLAT340040	Platin Cleaning Unit int. Opticlean Graf
PLAT375119	Platin Water Connection Box Graf
PLAT202003	Hole saw for Platin with pilot drill DN100 124 mm GRAF
PLAT332002	Hole saw for Platin with pilot drill DN150 174 mm GRAF

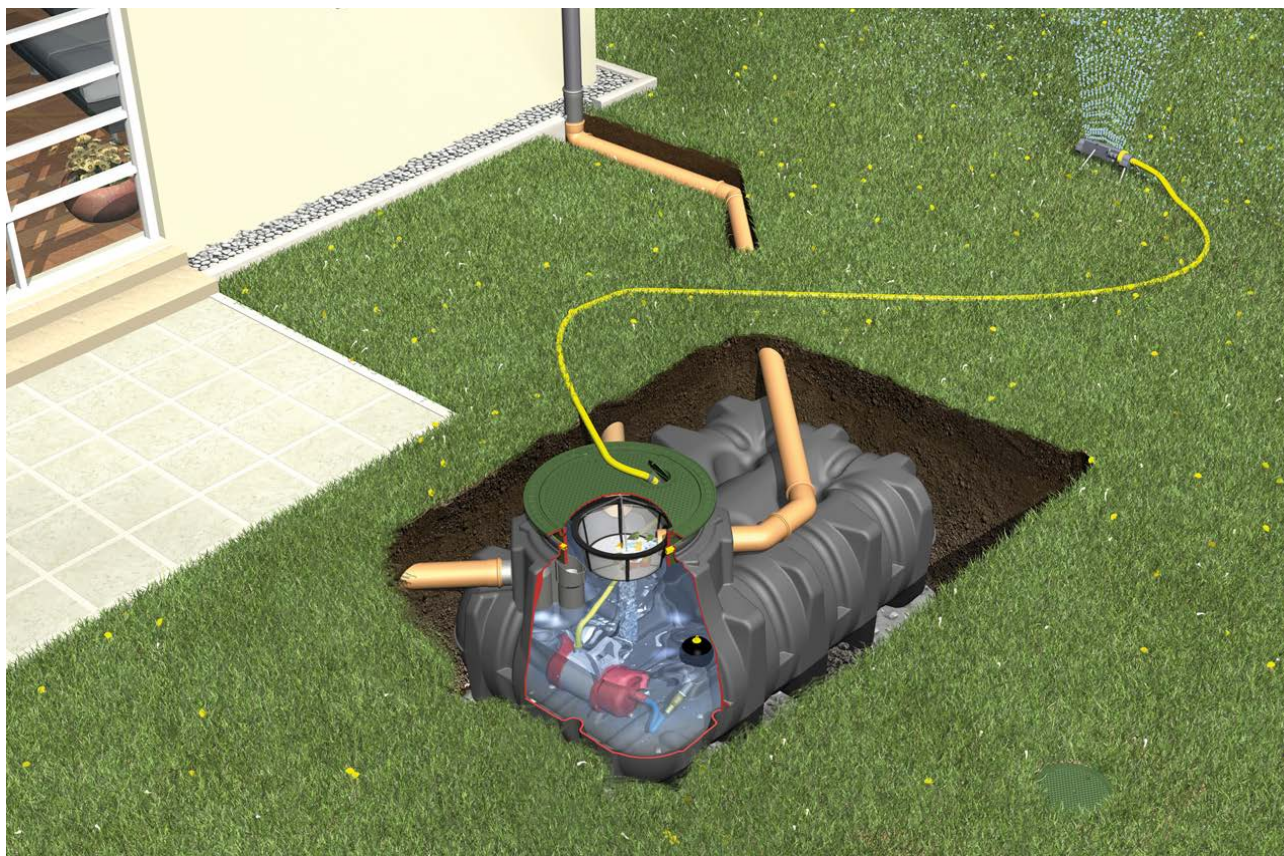


## Use in the home



*\*Suggested installation, accessories not included. See your stockist for more details*

## Use in the garden



*\*Suggested installation, accessories not included. See your stockist for more details*



Scan for more  
information

**Disclaimer:** While every effort has been made to ensure that the information in this document is correct and accurate, users of Hygrade Water product or information within this document must make their own assessment of suitability for their particular application. Product dimensions are nominal only, and should be verified if critical to a particular installation. No warranty is either expressed, implied, or statutory made by Hygrade Water unless expressly stated in any sale and purchase agreement entered into between Hygrade Water and the user.

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