

The center of urban greenification:
Wavin TreeTank



What trees can do for us. And what we can do for trees.

Cities around the world are intensifying their greenification efforts. And although trees do play a key role in urban life, they can be vulnerable and are a significant investment. They are expensive to maintain, to grow and to stay healthy. Wavin TreeTanks create safe underground protection zones for trees and contribute significantly to contemporary Urban Climate Resilience areas. One of these concepts is the “3-30-300 rule”. Ideal environments provide three trees in view from every home, school, and place of work. The minimum tree coverage of the environment should be at least 30 %, and a public green space should be available within 300 meters (984.3 ft).

Trees in cities are...

🕒 **Biodiversity boosters:**

They are vital in enhancing urban biodiversity, providing a habitat for city-dwelling wildlife

🕒 **Health enhancers:**

They are natural health benefactors, offering a serene escape that nurtures the well-being of city residents

🕒 **Air quality improvers:**

Trees act as eco-friendly air filters, with their leaves absorbing carbon dioxide, fine dust, and toxic gases

🕒 **Water management maestros:**

These green giants possess a remarkable capacity for water storage, playing a crucial role in urban water management

🕒 **Natural coolants:**

Trees contribute significantly to cooling down our urban environments, making cities more livable during hot seasons

🕒 **Heat island combatants:**

They are essential in mitigating the urban heat island effect, providing cooler, shaded spaces in concrete jungles





Trees need...

④ Safe space for roots to grow:

Trees require ample room for their roots to spread out and anchor securely. Compacted soil or obstructions can hinder root growth

④ Uncompacted soil:

Healthy trees thrive in soil that is not densely packed. Loose, well-aerated soil allows for better nutrient and water absorption

④ Nutrient supply:

Trees need a rich supply of nutrients and minerals from the soil. Fertilization or organic matter can enhance soil health

④ Adequate water:

Regular watering is crucial for tree survival. Ensure that the soil remains consistently moist, especially during dry spells

④ Oxygen availability:

Just like humans, trees require oxygen. They use it to break down sugars during respiration. Proper soil aeration ensures oxygen reaches the roots

Wavin TreeTank provides...

④ A protection zone for the roots:

enabling obstruction-free growth, corresponding to the size of the tree

④ Loose, well-aerated soil:

the elimination of soil compaction supports for nutrient transport

④ Rich supply of nutrients:

with 17.7 ft³ nutrient-rich soil per ft² tree crown projection

④ Sufficient water supply:

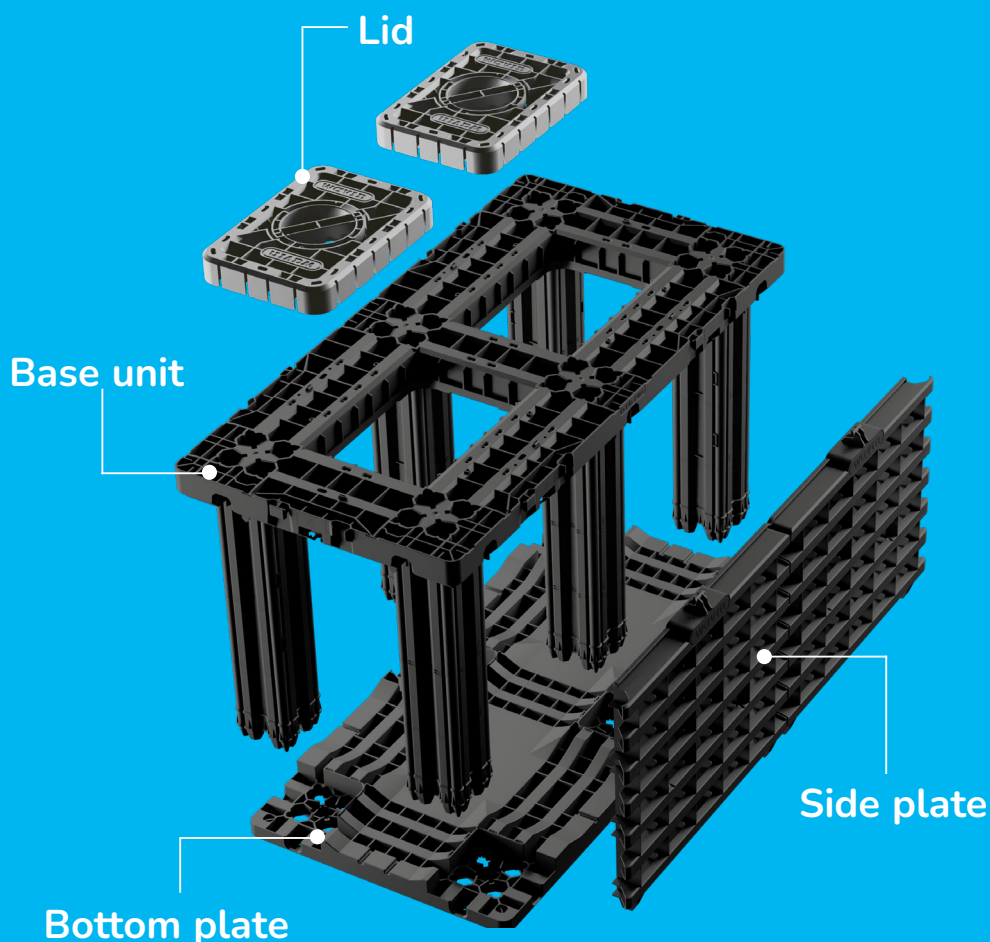
combined with Wavin's proven irrigation system, the soil remains moist even during dry spells

④ Enough oxygen:

a continuous and reliable soil aeration is ensured

Sustainably designed: the modular system for optimum tree growth.

Based on the Wavin Q-Bic Plus LC infiltration and retention system, Wavin TreeTank offers maximum freedom for the development of tree roots. They are directed away from the surface and into the depths, where they find sufficient water and nutrients. As a modular system, Wavin TreeTank can be adapted to any situation: It enables variable installation heights and offers a high vertical and horizontal load-bearing capacity. It also offers excellent and consistent material properties, resulting in a long life. The Wavin TreeTank root protection system can help to improve the growing conditions of trees in an urban context.

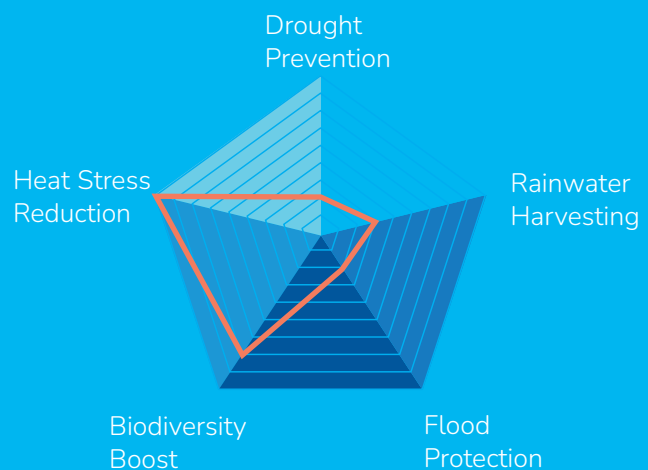




**The Wavin TreeTank:
an integral part of a holistic
concept for greater climate
resilience.**



Urban climate resilience today requires a balanced strategy that provides locally adapted answers to five key challenges - from drought prevention to rainwater harvesting. This is precisely where the Wavin TreeTank plays an important role alongside numerous other Wavin solutions - by promoting biodiversity and actively contributing to heat reduction in urban environments.



Discover more Urban Climate Resilience solutions on wavin.us



Wavin is part of Orbia, a community of companies working together
to tackle some of the world's most complex challenges.

We are bound by a common purpose:
To Advance Life Around the World.

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