

# INSTALLATION OF A POLYESTER POOL

## Installation of a polyester pool

Invest in comfort and prestige

Invest in comfort and prestige by owning your own polyester pool.

Discover how simple and enjoyable the process of making your dreams come true can be.

A fiberglass garden pool is a synonym of luxury and convenience, and its installation is extremely quick and easy.

See how step by step your dream pool becomes a reality.

## Installation steps:

### 1. Excavation

The first step is to dig an excavation according to the project dimensions of the polyester pool, considering space for filling with dry concrete. The excavation should be 30-50 cm larger than the pool dimensions on each side. The depth must account for the thickness of the foundation slab and the insulation layer.

### 2. Foundation

A 12 cm thick foundation slab is created at the bottom of the excavation. This provides a stable base for the pool. The slab is made of B20-class concrete reinforced with a mesh structure.

### 3. Styrodur Insulation

After the concrete has set, a 3-5 cm layer of Styrodur (XPS) is applied. Styrodur acts as thermal insulation, preventing heat loss and compensating for any minor unevenness of the slab.

### 4. Pool Placement

The fiberglass pool is carefully placed onto the prepared foundation slab. This step is best carried out using appropriate equipment, such as a crane, to avoid damaging the structure. Once positioned, leveling must be checked and adjusted if necessary.

### 5. Filling with Water & Backfilling

After setting the pool correctly, stabilization begins.

The first step is filling the pool with approximately 20 cm of water.

### 6. Backfilling

The space around the pool shell is filled with dry concrete, which ensures stability and additional protection. Fill the space with a mix of sand and cement (4:1 ratio) up to the same level as the water. Then carefully pour water onto the fill material to shape it to the pool. Water level should always be slightly above the backfill. Concrete must not be mechanically compacted. Steps should be supported by concrete blocks.

### 7. Further Steps

Fill the pool with another 20-25 cm of water.

### 8. Repeat Steps 6 & 7

Repeat steps 6 and 7 until the pool is fully filled with water.

Installation is now complete.



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