

Children's Pool, Bath on Plärrer, Germany

POLYUREA

Client	Augsburg Municipality, Germany
Project	The Public Pool of the city Augsburg/ Children's Pool
Area	app. 150 m ² outdoor pool
Construction	May 2008
VIP System	QuickPrime 2K-Epoxy SF QuickSpray Supreme W QuickCoat-Base Protect



Project Description

The city of Augsburg required a fast curing surface coating system with good outdoor weathering, chlorine-water resistant, no cracking and stable features for a newly constructed outdoor pool. Anti-slip characteristics were required for surface. Application with 1:1 heated, high-pressure mixing equipment. Lack of time and cost advantages favoured Polyurea QuickSpray (Potable Water Approval), a 100% Polyurea 2-part Coating-System derived from a reaction of Isocyanate and Amine terminated resin.

Processing took place in 5 steps:

1. Concrete was prepared and cleaned of any residues that may have an affect to bonding.
2. Surface was primed and sealed, water vapour proof, adhesion improved.
3. The aromatic Polyurea QuickSpray applied with heated mixing equipment.
4. Anti-slip features achieved by using Overspray-method.
5. After 24 hours application of pigmented QuickCoat-Base Protect (aliphatic) again with heated mixing equipment.

The complete process of surface-preparation, application of QuickSpray Supreme W (aromatic) and QuickCoat-Base Protect (aliphatic) was successfully completed in three working days, despite adverse weather conditions.

