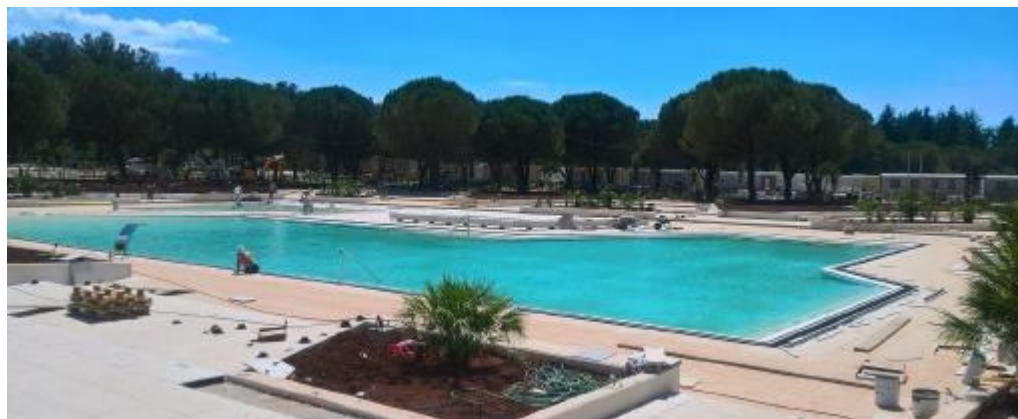


Case study: New Pool in Umag/Croatia, BASF Construction Chemicals



Our reference in Umag
(Croatia): Camp Stella Maris

Project:

Camp Stella Maris swimming-pool

Location:

Umag, Croatia

Project completed:

2018

Owner/s:

Istraturist Umag d.d.
CampingIN Stella Maris Umag****

Applicator/Contractor:

Arhilab Gradnje d.o.o., Slovenia

Designer/Architect/Specifier:

Company:
NFO d.o.o.
Ksaver 152, Zagreb, Croatia
Main Architect:
Mr. Ivan Fabris, mag. Ing. Aedif

Market sector:

Nonresidential building

Products used & amounts:

MasterSeal P 385
MasterTop P617
MasterSeal M 689
MasterSeal TC 681

The background

The project is located in Umag, a seaside resort in Croatia.

The scheduled timing was only 6 months for the entire project, and delay was no option.

The decision was pending, whether to go for a traditional solution with ceramic tiles, or a smart solution with resin coatings.

The challenge

Application time appeared to be the n°1 criteria on the jobsite. For this reason, the solution with ceramic tiles could not be applied within the time frame.

Other resin solutions were considered and could not meet the customer expectations in term of technical information, test certification and references.

Technical data (Typical values)

- Reaction time (sprayed): 5 – 7 s
- Shore D hardness: 42
- Elongation at break: 425% (DIN 53 504)
- Adhesion on concrete: > 3 N/mm²

A new pool in Umag

Application of MasterSeal Pool 1689 system in Croatia



Our reference in Umag (Croatia): Camp Stella Maris

Our solution

Our solution is the MasterSeal Pool 1689 system, a high crack bridging and waterproofing system specially designed for swimming-pools.

The customer's benefit

- The MasterSeal Pool 1689 has solved the question of timing and, due to its very fast application could allow to keep the planning under control.
- Without the substrate preparation, the membrane with the first layer of top coat have been applied in one day! The next day the second layer was applied. The swimming-pool could be opened the week after.
- Additionally, the membrane does not contain any specific expansions joints or working joint: There is no weak points which can lead to leakage in a near future.
- It is highly crack bridging, avoiding any cracks due to the concrete substrate.
- The top coat is available in many colors, allowing the architect to choose his favorite color

Project facts at a glance

- Swimming pools:
Big pool = 1.250 m²
Small pool 1 = 150 m²
Small pool 2 = 80 m²
- Compensation tanks:
Comp. Tank 1: 250 m²
Comp. Tanks 2&3 = 100 m²
- Material specification:
Local concrete repair + stairs:
2x MasterSeal P 385, comp D. + water (2 –40 mm)
Primer:
2x MasterSeal P 385, A+B+C kit (ca 2 x 0,50 kg)
Membrane:
1x MasterSeal M 689 (ca 2,0 kg)
Top Coat:
2x MasterSeal TC 681 (ca 2 x 0,3 kg, airless application)