



# SIKA AT WORK

Rehabilitation & protection of aquaculture stations, Andromeda S.A., Vonitsa, Greece

Rehabilitation: Repairs mortars Sika MonoTop®

Protection system & final coating: Sikagard®-720 EpoCem® & SikaCor®-146 DW

BUILDING TRUST



# REHABILITATION & PROTECTION OF AQUACULTURE STATIONS, ANDROMEDA S.A., GREECE



## PROJECT DESCRIPTION

Andromeda Group is the fastest growing group of companies in the Mediterranean fish farming industry, active throughout Europe and featuring a global export power. Having managed to grow dynamically from its foundation to date, with the support of Amerra Capital Management LLC, an independent investment firm, and led by a highly experienced management team, Andromeda is developing into a dynamic group of companies aimed to be established as the leader of the Mediterranean Aquaculture. The main feature of Andromeda Group is the high quality and the true freshness of its products, combined with a sophisticated distribution network delivering products throughout Europe and the United States within just 48 hours of fishing.

## PROJECT DEMANDS

The main features of the Andromeda Group products are superior quality, safety and freshness. The conditions throughout the production cycle are ideal for the creation of perfect quality fry and consequently for the development of healthy fresh fish with perfect shape, vivid colors and delicious flavor. All products are manufactured under controlled conditions, following ISO 22000, ISO 9001, ISO 14001 and GLOBALG.A.P certified processes at all stages of production, from the fodder to the final product. In this context, hatchery facilities must be maintained at regular intervals to ensure an uninterrupted production process and guarantee its quality in all parts of the stations (the Andromeda fish-breeding station in Greece has the highest productivity in Mediterranean).

The plant facilities had to be restored using a certified and proven suitable system for contact with drinking water. Moreover, due to the nature of the project, the final protection system should exhibit longterm resistance to permanent water contact, as the maintenance process should only take place at scheduled times and any possible failure could result in a financial burden on production.



## SIKA SOLUTION

**Sikagard®-720 EpoCem® & SikaCor®-146 DW** System was used as a protective micro-mortar & coating for the surface of the stations. The system consists of **Sikagard®-720 EpoCem®** cementitious modified epoxy mortar and **SikaCor®-146 DW** coating, which is specially suitable for contact with drinking water. In addition, **Sika MonoTop®** repair mortars were used to restore surfaces and re-shape their geometry.

## APPLICATION PROCESS

The 3-component epoxy-modified porous sealing and surface smoothing mortar **Sikagard®-720 EpoCem®** was applied to the properly prepared concrete substrate. **Sikagard®-720 EpoCem®** offers excellent protection for concrete surfaces in a highly corrosive environment, excellent adhesion to concrete (fresh or hardened), creates a smooth surface and requires minimal waiting time before applying subsequent epoxy coatings.



**Sikagard®-720 EpoCem®** carries CE Mark and Declaration of Performance as a Protective Coating (EN1504-2) and as PCC, Class R4 mortar (EN1504-3).

At a second phase, the 2-component, total solid, epoxy, suitable for drinking water contact **SikaCor®-146 DW** coating was applied. **SikaCor®-146 DW** is a hard-elastic coating, resistant to mechanical stresses and abrasion, impact and thermal shocks and does not contain solvents. It is suitable for drinking water, many food types, chemicals, cleansers and disinfectants and has excellent adhesion to steel, stainless steel, aluminum and mineral substrates. Its top advantage is that it is applied in one layer and no special treatment is required before it is put into use (first tank filling).



### PROJECT PARTICIPANTS:

Owner: **ANDROMEDA S.A. - AQUACULTURE S.A.**

Distribution partner: **Unisol**

Our most recent General Sales Terms shall apply.  
Please consult the most recent Product Data Sheets prior to any use and processing.

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