



SIKA AT WORK

General Aeronautics, Aircraft Services and Supplies - Aeroservices S.A., Attica, Greece

Flooring: Sikafloor® MultiDur ES-14 system

Joint sealing: Sikaflex® PRO-3



BUILDING TRUST



AERONAUTICS & AIRCRAFT SERVICES - AEROSERVICES S.A.



PROJECT DESCRIPTION

Aeroservices S.A., founded in 1993, is a company that trades in General Aeronautics, Aircraft Services and Supplies.

Aeroservices S.A. has a fully equipped maintenance unit for a variety of Airplanes and Base/Line Helicopters, supplies expendables and spare parts, offers technical support for aircraft equipment, trains pilots and technicians, offers a full managing and operating bundle for aircraft to private customers and has since years a long lasting collaboration of technical and supply support with Greek Armed Forces and Services of the General Public Sector.

Aeroservices S.A is a Certified organization of maintenance of airplanes and helicopters as per EASA PART-145 (certificate No EL.145.035) and a Continuing Airworthiness Management Organization (CAMO) as per EASA PART-M (certificate No EL.MG.023), while carries certifications according to ISO 9001, EN 9110 and ISO 14001.

PROJECT DEMANDS

The project concerns the restoration of a floor surface area of ~ 2.000m² where the helicopters are housed and maintained (helicopter hangar). The existing floor had to be renovated due to age and use.

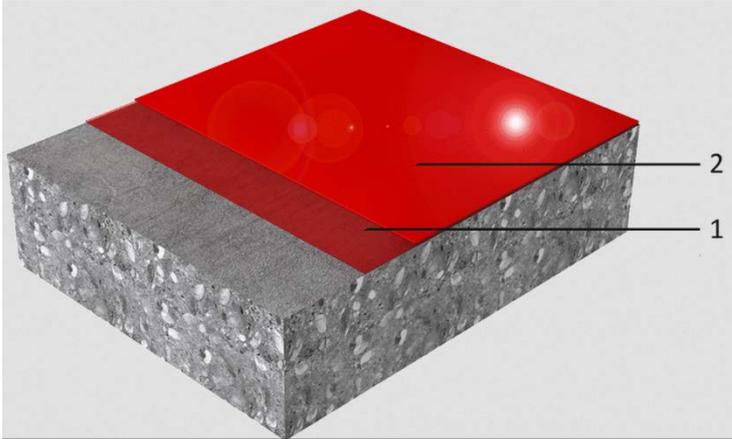
SIKA PROPOSAL

The floor of a helicopter hangar must at the same time be easy to clean, resist water and chemicals, have a high degree of slip resistance, and must exhibit high resistance against mechanical stress. In all cases, a clean floor is obviously an essential requirement for providing a healthy working environment and eventually secure product management and services.

Sika has developed **Sikafloor® MultiDur** epoxy flooring systems for heavy stress applications. These systems have excellent mechanical, chemical and abrasion resistance. These features are the main reasons to select them, but this does not mean that they lack in aesthetics and wide-ranging color choices. These systems are functional and long-lasting. There is a choice between smooth, embossed and non-slip surface (sand broadcasting) as well as a two-color surface (mortar-type), aiming to provide a solution that meets the intended use, safety requirements and cleaning method.

SIKA SOLUTIONS

Based on these requirements, the smooth, coloured, rigid, epoxy resin system **Sikafloor® MultiDur® ES-14** was proposed and applied to the floor of the maintenance unit. **Sikafloor® MultiDur® ES-14** system exhibits good wear and abrasion resistance, is impervious to water, easy to clean, and is particularly easy to apply. It has a glossy finish and offers a wide variety of color options.



Layer	Product
1. Primer	Sikafloor®-161
2. Top coat	Sikafloor®-264

Its features include its good chemical and mechanical strength. The top coat of the system, **Sikafloor®-264** carries Declaration of Performance according to EN 1504-2 and EN 13813 and a wide range of certifications, such as the Cleanroom® Suitable Materials Certification in terms of particle emission.

APPLICATION

After determining the moisture content of the existing floor, the substrate was prepared by ball blasting and was thoroughly cleaned with an industrial vacuum cleaner. Scratch coat was applied on the prepared substrate (porous sealing, resin & quartz sand applied with straight spatula). Thereafter, the epoxy primer **Sikafloor®-161** was applied followed by the application of the colored epoxy paint **Sikafloor®-264** in RAL 7035 shade.



The expansion joints were sealed using the 1-component, polyurethane sealant **Sikaflex® PRO-3**. **Sikaflex® PRO-3** is highly mechanically and chemically resistant sealant, exhibiting $\pm 35\%$ movement capability, and has a separate approval test against diesel and jet fuel according to the DIBt Guidelines.



PROJECT PARTICIPANTS:

Owner: **AEROSERVICES S.A.**

Applicator: **Lysis – Monosis Kostas Zygonas**

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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