

# SIKA AT WORK

## Dental operations polyclinic, Athens

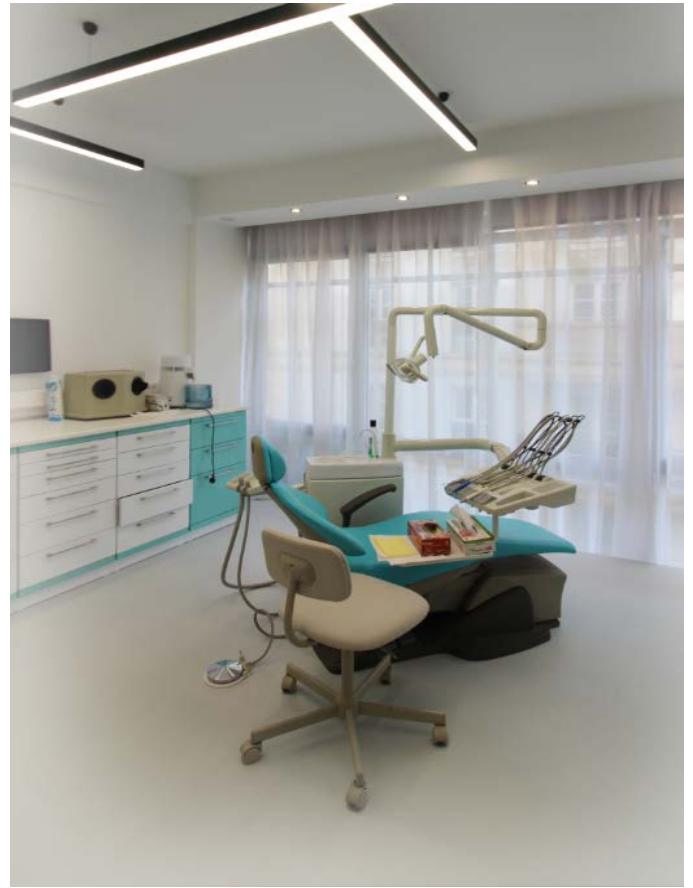
FLOORING: Sika® Comfortfloor® PS-65



BUILDING TRUST

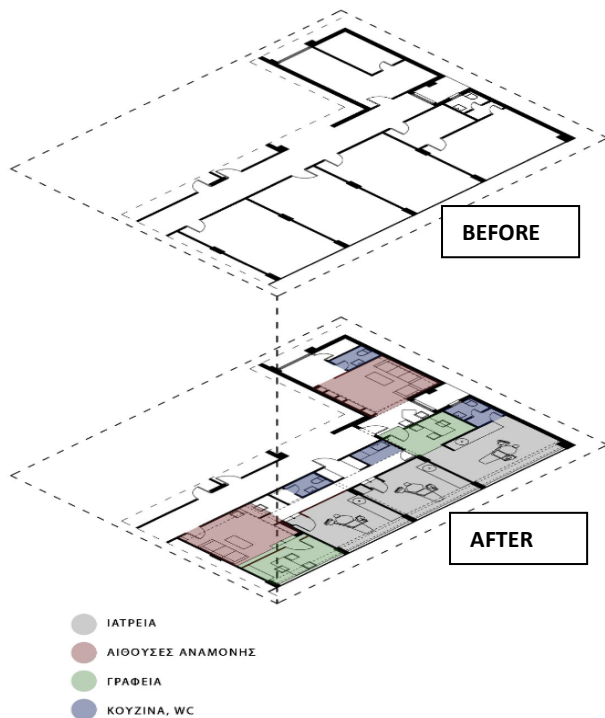


# DENTAL OPERATIONS POLYCLINIC, ATHENS



## PROJECT DESCRIPTION

The project is about the renovation of pre-existing office space in the center of Athens. As part of the redesign and in order to house a functional and modern polyclinic of dental operations, the individual rooms were integrated, so that the space could acquire the practicality and safety imposed by an invasive polyclinic.



## APPLICATION DEMANDS

For the floor area where medical operations would be performed, with a total area of  $\sim 130\text{m}^2$ , there was a specific aesthetics requirement, with absolute texture and colour uniformity, as well as absence of joints. On the now consolidated area, there would be pedestrian traffic, but also movement from wheelchairs and equipment.

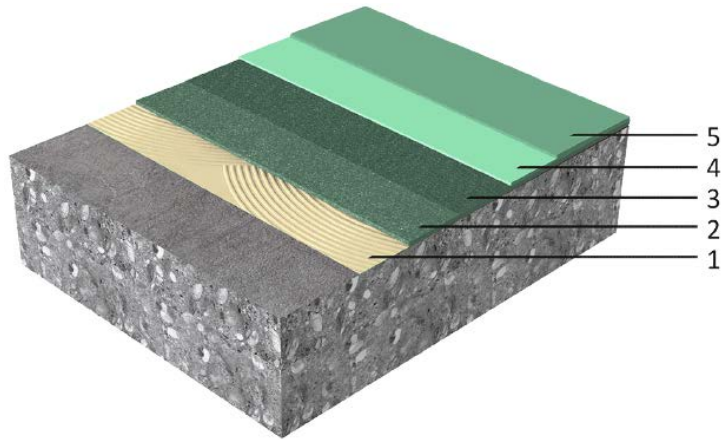
Beyond any aesthetic requirement, there were specific practical issues that needed to be addressed. Most important of all was that the new floor had to be laid on an existing metal loft, as all the wiring, piping and sewer system passed under it. The chosen system therefore should exhibit, in addition, anti-vibration features, inherently to offer minimization of the possibility of cracks or similar damages and to be lightweight.

Finally, as we refer to an indoor application and especially to a clinic, with provision for surgeries, the system should be characterized as extremely low emission in terms of volatile organic compounds and particles and of course to be easy to clean and practical.

## SIKA SOLUTION

**Sika® Comfortfloor® PS-65** system was chosen for the floor of the medical practice area, as it meets all the above stated application requirements and is characterized by top qualities in terms of applicability and functionality.

### Sika® Comfortfloor® PS-65 built up



Layer	Product
1. Adhesive	Sikafloor® Comfort Adhesive
2. Shock absorbent pad	Sikafloor® Comfort Regupol®-6015 H
3. Pore sealer	Sikafloor® Comfort Porefiller
4. Base coat	Sikafloor®-330
5. Final coat	Sikafloor®-305 W

**Sika® Comfortfloor® PS-65** is a system offering:

- Uniform aspect
- Absence of joints
- Comfort in walking
- Low sound production when walking
- Absorption of generated noise
- Flexibility and durability
- Low emissions of volatile organic compounds
- Ease of cleaning

In addition, it carries a certificate of determination of wear resistance, in case of castor wheel movement, according to European Standard, while it is approved as Cleanroom® Suitable Material (product with low emissions of volatile organic compounds and particles).

## SIKA® COMFORTFLOOR® SYSTEMS

**Sika® ComfortFloor®** systems are resilient, polyurethane, self-leveling floor systems and are part of Sika's Decorative Flooring Systems. **Sika® ComfortFloor®** systems optimize the desired balance between comfort and hardness, combining soft feeling during walking with durability and offering flooring solutions in public and private spaces.

## APPLICATION PRODECURE

The basic frame of the floor was made of iron. OSB boards were attached to the metal frame and high-quality plywood was screwed on them, crosswise in relation to the OSB boards.



**Sikafloor® Comfort® Adhesive** (adhesive layer) was applied on this formed substrate, on which the **Sikafloor® Comfort® Regupol 6015 H** anti-shock pad was laid. This was followed by the application of the self-leveling, polyurethane-based resin **Sikafloor®-330**. The system was completed with the application of colored, matt polyurethane-based surface protection layer and low volatile emissions, **Sikafloor®-305 W**.

### PROJECT PARTICIPANTS:

Specifier / Project Engineer: **Aeneas Tsouklas**  
Contactor: **Domustech**



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