

Waterproofing

TECHNICAL ROOMS

TECHNICAL PROBLEMS

Technical rooms (boiler rooms, air conditioning rooms, etc.) must have an effective water seal.

Malfunctions (leaks, etc.) can have disastrous consequences.

E.g. technical rooms located above scanners or expensive medical equipment, above archives, computer rooms, telephone switchboards, etc.

TRADITIONAL SOLUTION

New:

Installation of a traditional sheet-based sealant system on the concrete slab. Then concrete screeding is poured onto the sealant layer for mechanical protection, and floor covering or paint is applied.

Renovation:

The concrete slab would first need to be broken before the treatments listed above could be completed.

The drawback:

An expensive and unreliable solution (difficult to properly treat the weak points: pipe ducts, etc.). Almost impossible to detect a leak and remedy the defect in the sealant.

THE SOUPLETHANE TECHNIQUE

For new builds and renovations:

After ensuring that the support is adequately prepared, apply the SOUPLETHANE directly to the concrete and run it up the bases of the machines, pipes or walls.

The benefits:

Quick and easy to apply.

It is possible to check that the seal is perfect. Any repairs are easy to make.

You can add a non-slip finish to the floor. It provides a joint-free seal. SOUPLETHANE can be used to bridge cracks in concrete up to 2mm across.



SPECIFICATION

prepare the substrate:

- sand and clean the concrete or the metal substrates

• apply SOUPLETHANE:

- water-based PU concrete primer (1 litre per 7m²) (if solvents are prohibited, for example in hospitals, skip this step)
- apply a 1.5mm layer of SOUPLETHANE.

QUALITY CONTROL

Check that any weak points have been properly treated and run a visual check. All defects (holes, etc.) must be corrected. If possible, pour water on the surface and check for leaks.

TESTS AND CERTIFICATIONS

- LCPC: bridging cracks in the concrete up to 2 mm across.
- Compression resistance: 113 MPa
- Concrete adhesion: 3 MPa

WORK REFERENCES

- Saint Antoine Hospital
- Henri Mondor Hospital
- IBM Bordeaux
- Printemps