

AREAS OF APPLICATION

- + New and old drinking water systems
- + New and old fish farms
- + Other constructions in contact with drinking water

SYSTEM DESCRIPTION

The system consists of products who give a pore free and durable surface which is well suited for treatment of steel and concrete structures that is in contact with drinking water.

Purtop 1000 is evaluated and approved by Norwegian Institute of Public Health for use in direct contact with drinking water.

The system is applied in a thickness of approx. 2-4 mm creating an emission free surface which protects the concrete against decay. The system is delivered in white or grey color.

The product does not contain organic solvents and is practically odour free during application. The system ensures quick installation and use, and the final product poses no health or environmental hazard to the user.

PROPERTIES

The system is well suited for substrates with exacting requirements for flooring with:

- + Waterproof and pore free
- + Hygienic and easy to clean
- + Static and dynamic crack-bridging
- + Very high mechanical wear resistance
- + Resistant against alkali water and water with low pH
- + Resistant against a variety of chemicals
- + Documented waterproof to more than 25 Bar

SYSTEM STRUCTURE

Substrate / pre-treatment

The substrate must be prepared by milling, grinding or blasting and must be clean, dry and free of oil, grease etc.

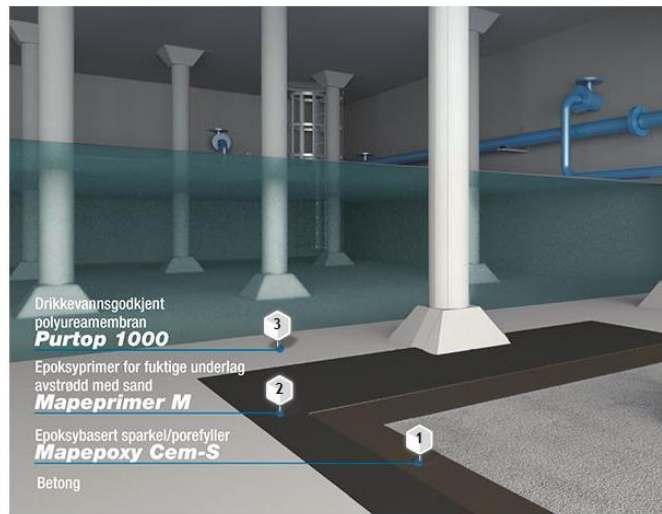
The system is suitable for use on concrete surfaces and other cement based substrates.

Please contact Mapei for recommendations for use on other substrates such as steel and different types of plastic.

1 Porefilling

Mapepoxy Cem-S - porefiller

Three-component epoxy based mortar which is applied with a trowel/tray and smooth to remove minor imperfections.



2 Priming

Mapeprimer M – transparent epoxy primer

Solvent free epoxy applied with brush, roller or sprayer. Broad casted with dry sand.

3 Topcoat

PURTOP 1000 –polyurea membrane

Polyurea membrane approved for drinking water. Applied with a sprayer in a minimum thickness of 2 mm.



OTHER INFORMATION

- + Technical Data Sheet (TDS) and Material Safety Data Sheets (MSDS) are available at www.mapei.com
- + Work Descriptions
- + Operation and maintenance manual
- + Labour Inspection Brochure # 377 on thermosetting