

**Project:**

Extension and refurbishment of production areas

**Location:**

Rauma, Finland

**Project completed:**

2014

**Owner/s:**

Forchem OY

**Market sector:**

Chemical Industry

**Products used & amounts:**

Ucrete UD200, 655m<sup>2</sup>

## Forchem OY

### Chemical resistant Ucrete flooring



Our reference in Forchem OY Rauma(Finland): Forchem OY

#### The background

When the Forchem plant opened in 2002 it was the largest modern crude tall oil distillation plant in the world.

Forchem is an innovative chemical company converting Crude Tall Oil into useful raw materials used in a wide range of industries. For example, it is used in the manufacture of coatings, lubricants, soaps, inks and adhesives among others.

Crude Tall Oil is a by-product of the pulping process especially of pine trees during the manufacture of paper.

#### The challenge

The combination of aggressive chemicals, fatty acids and distillates which can attack many types of flooring materials together with high temperatures made the environment particularly challenging.

The previous epoxy resin and methyl methacrylate floors had failed miserably. They had been rapidly eroded and had debonded in many places. Forchem was in a constant cycle of floor repairs which cost money and hampered production.

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# Forchem OY

## Chemical resistant Ucrete flooring



Our reference in Rauma (Finland): Forchem OY

### Our solution

A Ucrete flooring solution was the obvious choice given the demands of the environment for organic acid, solvent oil and chemical resistance combined with the potential for high temperatures.

Following trials on site in the “worst case” testing ground which were tested for 6 months to prove the concept, a 12 mm Ucrete UD200 flooring specification was chosen to give the required chemical and temperature resistance. A light surface profile ensures safe footing even when the floor is wet.

This specification has been installed throughout in order to ensure that the floor will be in service for many years to come, even if the production process change or is reconfigured in the future.

### The customer's benefit (max. 800 characters)

- Through the thermal, chemical and mechanical resistance of Ucrete flooring a maintenance free long lived flooring solution has been achieved.
- A light slip resistant profile is offering the best compromise between ease of cleaning and safety underfoot.
- The robust Ucrete UD200 floor specification eliminates the need for ongoing maintenance, saving management time and improving production efficiency.

### Projects facts at a glance (max. 800 characters)

- Pump room area of 75 m<sup>2</sup>
- Extension floor area of 580 m<sup>2</sup>

### Master Builders Solutions by MBCC Group

The Master Builders Solutions brand brings all of our expertise together to create chemical solutions for new construction, maintenance, repair and renovation of structures.

Master Builders Solutions is built on the experience gained from more than a century in the construction industry. The know-how and experience of a global community of construction experts form the core of Master Builders Solutions. We combine the right elements from our portfolio to solve your specific construction challenges.

Further information is available at:  
[www.master-builders-solutions.com](http://www.master-builders-solutions.com)