

Thesis

Project 2: Dimensional stability of plastic flooring

Company: Tarkett AB

www.tarkett.com



Extent

Masterlevel (20 weeks), suitable for one or two students working together.

Field of study

Relevant background at master or bachelor engineering level (such as mechanical, chemistry, polymer, materials, physics etc).

Planned start and duration

At once or during 2013.

Task

Background

Plastic flooring is the dominating flooring solution for many applications in the building sector. In schools, hospitals, industries and shops, plastic flooring is very commonly used. There are many ways to install a plastic flooring, very common is to use large rolls which are glued to the subfloor and welded in the joints. Another method is to install tiles (squares of sizes from 300 to 600 mm) and if they are not welded it is very important to make sure that the dimensions of the tile stay constant over lifetime. The so-called "dimension stability" of the system (tile-adhesive-subfloor) is very important. Poor dimension stability result in gaps between the tiles that is negative for both design/appearance and cleanliness. The dimension stability is highly dependant on the installation method, the combination of plastic and adhesive recipes, productions method/parameters etc. It is a complex and important property to control in the flooring system.

Objective for project

The objective of the project is to study the effect of different installation/materials/processing parameters on the dimension stability of plastic flooring tiles. The project includes significant testing and development/improvement of testing methods.

Cefur

About Tarkett AB

Tarkett AB is a part of Tarkett Group. Tarkett provides integrated flooring-, wall based- and sports surface solutions to professionals and end-users that measurably enhance both people's quality of life and building facilities' life-time return.

Each of our integrated flooring and surface solutions cater to a very specific customer need. The space, how it's used, design choices, building norms and safety regulations, as well as budgets are all different – because every customer is unique and has highly individual needs. Today, across the world and day after day, people experience their lives at home, in public buildings, schools, hospitals, offices, and during sports- or leisure activities through a Tarkett floor.

At Tarkett Group, about 9.200 people around the world service customers and clients every day through sales representations in more than 100 countries and through our 32 production sites, which produce an average of 1,2 million m2 of flooring every day. At Tarkett AB in Ronneby, about 550 people develop, manufacture and sell plastic flooring for different segments and applications.

More information about Tarkett is found here: www.tarkett.com

Location

Ronneby

Language

Swedish or English.

Expenses

Expenses might be reimbursed after agreement.

Please contact

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<http://www.ronneby.se/sv/sidowebbplatser/cefur/examensarbete/>

Application

Register your interest by sending your CV, cover letter, course list and references to the contact person at Cefur: martina.lindgren@ronneby.se
Application and selection is ongoing.