



Josef Umdasch Research Prize

ANNOUNCEMENT

DOKA RESEARCH TOPIC

1. General information

Title of project: New methods in surface analytics

Short title: Surface analytics

2. Initial situation

Formwork surfaces have to be durable. Formwork surfaces should be scratch resistant, stable to alkalis and UV resistant. In the course of application the surface features change in general. For example surfaces get rougher by the exposure to UV radiation or they get scratched by cleaning. During the development of new products these particular damages can be measured by standard tests. These tests are costly in the terms of time.

In order to know, whether a coating with a higher amount of additives is more resistant against UV radiation, one has to keep the coating longer in a corresponding weathering test. Thus for new developments or optimizations it is advantageous to measure physical or chemical changes earlier than by the means of standard tests.

3. Objective

The objective of this work is to identify new analytical methods, which permit doka faster measurements of the physical and/or chemical changes induced by different formwork related damages. Furthermore these measurements are to be correlated with some of the standard tests.

We are looking forward to your application!