Proceedings of the International Conference on Industrial Engineering and Operations Management

Publisher: IEOM Society International, USA DOI: 10.46254/IN05.20250030
Published: November 6, 2025

Application of Change of Origin Method and Random Numbers in Resin Flooring Solutions

Sampath P
Professor, Dept of Mechanical Engineering
K.S. Rangasamy College of Technology
Nāmakkal, India

Kishore Hoysal S
Resin Flooring Consultant &
Ex - Product Manager Industrial Flooring
Mapei India Pvt Ltd
Bangalore, India

Abstract

This paper is an attempt where Industrial Engineers associated in Civil Engineering field trying to use Statistical methods in determiing critical parameters of Resin Flooring. Resin Flooring is a very vast field. The first and the foremost requirement of any Resin flooring is the substrate. Substrate is made of Concrete with reinforcement. It is not possible to have zero variation in the process of casting an Industrial Concrete FLoor. How we do in our mechanical engineering or automobile engineering there is also standards which will adpot to variations in process of laying industrial cocnrete floors. We face some many challenges to understand unique requirements of flooring project sites. The authors being industrial engineers basically have continues their passion to use basic two concepts of Industrial engineering to evaluate the substrate and to provide scientific solutions in identifying points on ESD resin flooring for taking surface resistance values. This paper focuses on case study from Resin Flooring specialist with Industrial Engineering Passion with Guidance from Guide.

Keywords
Origin Method, Random numbers, Resin Flooring