

Project PI: Dr. Nawal Kishore Banjara

Project Title: Development of Fire Resistance Protective Layer for Reinforced Concrete Strcutural Elements for Building Applications

Name of Client: M/s Stanvac Chemicals Inida Ltd. 551, Sector 37 Pace City-II Gurugram Haryana-122001

Objectives: The main objective of the study is to develop fire resistance material for enhancing fire behavior of structural elements
The scope of the project as given below

1. Development of Fire-Resistant Material Formulation and optimization of fire-protective material suitable for application on reinforced concrete elements.
2. Thermal Performance Assessment Investigation of the thermal behavior and insulation characteristics of the developed material under elevated temperature conditions relevant to building applications.
3. Fire Performance Evaluation on Structural Elements
Experimental evaluation of the fire resistance of the developed protective layer when applied to reinforced concrete elements.
4. Data Analysis and Reporting Comprehensive analysis and interpretation of test data, followed by the preparation of a detailed technical report including observations, performance assessment, and recommendations.