

Project PI: A. Aravind Kumar

Project Title: Development of Modified Clear/Transparent Coating Composition for Wood and Wooden Furniture Materials

Name of Client: M/s. Stanvac Chemicals India Ltd, 551, Sector 37 Pace City-II Gurugram Haryana- 122 001

Objectives:

1. Development of preliminary coating composition Identification of chemicals and their procurement Preliminary formulation of transparent coating Characterization analysis of the coating samples
2. Fire retardency analysis of the coating composition Preliminary investigation of the fire performance analysis of the formulations developed. Optimization of the samples and finalization of the composition for further analysis
3. Performance Evaluation as per international/National standards Performance analysis of the product for different types of wood. Property analysis of the product developed (such as PH, viscosity, melting point etc..) Fire performance evaluation of the product as per International/National standard.
4. Data Analysis and Reporting Data compilation and analysis. Limitations of the study. Technical report with research findings. Future studies