

Project PI: Dr. Shorab Jain

Project Title: Reaction to Fire behavior of ACM façade of Mitsubishi Chemical Infratec Co., Ltd.

Name of Client: Yoshihiro Hase & Yuji Kawamoto ALPOLIC Business Unit Planning Department
Mitsubishi Chemical Infratec Co. Ltd. 1-1-1, Marunouchi, Chiyoda-ku, Tokyo, 100-8251 Japan

Objectives: Studies on Fire behavior of ACM façade fire of Mitsubishi Chemical Infratec Co., Ltd. under small and reduced scale

1. Information gathering
2. Experimental Studies & Fire Testing

Conduct small-scale test such as (core ignitability test) and (non-combustible material test) of façade materials such as ALPOLIC fr, A2 made in India with alliance, fr, A2 (A1) made in Japan etc.

Creation of experimental fire facility to study the behavior of façade fires as per ISO 13785-1 under medium scale.

Study the effect of the combination with the insulation, the thickness of the ventilation cavity, the fire stop, etc.

3. Analysis of Results and comparison with various scale test results previously conducted - to be provided by MCIT