

Job Reference

Basotect®

Ears Love Silence

High performance sound
absorption foam

Project :

Food Court 3, Mahindra City

Client :

Infosys Limited, Chennai

Scope of Project :

approx. 950 m²

Architect :

CRN, Chennai

Acoustic Consultant:

Mathew M. George,
MMG Acoustical Consultants,
Bangalore

Fabricator :

Indica Chemical Industries
Pvt. Ltd., Bangalore

Year Completed :

2012

 **BASF**

The Chemical Company



Project Description :

The new 2,500 m² cafeteria at the Infosys Chennai Campus required immediate acoustic treatment planning for airborne and structural noises generated by employees and visitors during their dining hours. It is well known in the industry that cafeterias and restaurants can generate up to 90 DB in sound levels – the equivalent of truck traffic noise on a busy street. The correct attenuation was paramount to comply with global noise reduction standards for the overall well-being of Infosys employees during break hours and the resultant increase in productivity and focus during work hours.

Unique combination of properties makes it the material of choice :

Basotect's low weight and flexibility provides it with greater design freedom than conventional sound insulation materials, as well as makes it easy to mount and fix without requiring major changes to existing architecture. This made Basotect to be the material of choice.



Advantages :

- Light weight
- Ease for maintenance & House-keeping friendly
- Customized to finish and colour as per customers requirement
- Fibre free sound absorption material preventing occupational health hazards
- Fire resistant
- Also posses thermal insulation

Challenges :

- Customization at site
- Application at site
- Complex geometry
- Fire retardant vinyl capsules to enclose Basotect

Solution :

50mm thick Basotect with noise reduction coefficient (NRC) > 0.8, wrapped in 1mm thick fire retardant perforated vinyl fabric, finished with neutral black colour, customized to site conditions and placed behind plaster-of-paris (POP) cloud shaped panels.

BASF – Total Solution Provider :

A number of other BASF solutions has also been used in this project. These include:

- 1) **CONIROOF®** - Spray applied highly elastomeric Poly Urethane waterproofing membrane
- 2) **PERIPOR®** - New generation high density water-resistant thermal insulation Expanded Poly Styrene boards
- 3) **MASTERFLEX®** - Joint sealants

Customer Satisfaction :

Our primary concern was to minimize the harmful effects that regular noise pollution can have on employees, as well as to comply with global noise reduction standards. The fact is Basotect also meets other green standards and helps us meet energy efficient construction targets made it the choice material for us.

