



BASF
We create chemistry

Basotect®

Turning a noisy workshop into an agreeable working place with Basotect®

With several simultaneously working machines, generating noise levels from 66 dB to 90 dB and disturbing the employees, the global engineering company Sandvik Asia, was looking for improving the working conditions in their workshop in Pune, India. The employees' concentration was impaired by reflecting noise from ceilings, walls and floors, leading to fatigue and nausea. The company found a solution in wall panels made from Basotect®, the melamine resin foam by BASF. The foam convinced due to its excellent sound-absorption quality as well as its light weight of only 9 kg/m³ and its low density.

Since moving the machines to enclosed spaces was not possible, a different approach was necessary to provide a better working environment. The architect and acoustic consultant Parag Daflapurkar targeted the walls and ceiling for acoustic improvement to enable noise absorption over a broad spectrum of frequencies, especially for the low- to mid-ranges. Taking the challenges into account, Sandvik consulted BASF for material options and chose to use wall panels made from the open cell foam Basotect® wrapped with perforated fabric and produced by Indica Industries. The quality, delivery and service of Indica met with the Sandvik standards. The 50 mm thick panels were mounted to approximately 435 m² of the walls, creating a safer work place with pleasant acoustics and aesthetics.

According to Sandvik Asia's project manager Vandan Sathe: "The noise level was considerably reduced making the shop floor sound like a silent zone. Now the teams can have clear as well as crisp communications within the shop floor itself. The Basotect® elements and their color scheme completely changed the appearance of shop floor from a typical industrial look to a modern and even state-of-the-art production facility." Acoustic measurements before and after the installation of the Basotect® panels showed the difference in noise-levels. So Basotect® played a crucial role in creating a safer, friendlier working environment with increased productivity.

More information about Basotect®:
www.basotect.basf.com

