

## High Exhaust Temperatures - Role of Insulation Blankets

Whatever approach one chooses to emissions reduction, proper insulation is an important aspect of ensuring that emission reduction targets are achieved. Many of the technologies require a high exhaust heat [in some cases in excess of 800°F (425°C)] in order to function properly.

Without proper insulation, the exhaust gases lose heat as they travel along the various pipes and components of the engine and the exhaust system. It is imperative that the exhaust, catalysts and SCR systems be properly insulated to maintain internal temperature and ensure optimal performance / burn-off.

Removable insulation blankets are an excellent way to provide the requisite insulation in a cost-effective manner. The fact that they can be removed allows easy access to components during periodic maintenance and replacement. Indeed, major engine users, as well as major catalyst manufacturers, recommend removable insulation blankets as an important component of their emissions reduction strategy.