

THERMAL PERFORMANCE CASE STUDY

HUSHMAT® THERMAL INSULATION REDUCES BIG RIG TRUCK CABIN HEAT BY 50° F

MARCH, 2017

FACTS AT A GLANCE

150° F

Commercial truck cab's floor heat was recorded at 150° F, causing APU failure & uncomfortable cabin temperature for drivers

↓ 50° F

HushMat's thermal floor liner reduced transfer of exhaust manifold heat by over 50° F

30:00

With HushMat's superior ease of installation, peel & stick mat laydown took 30 mins. for the entire floor of the truck

PROBLEM:

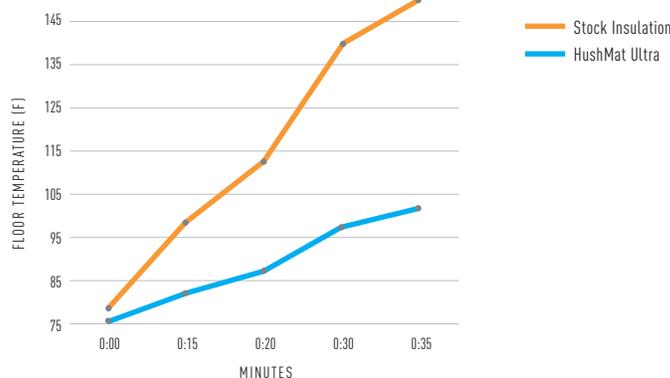
A major heavy-duty truck manufacturer asked HushMat to solve a problem with the exhaust manifold running under the cabin floor pan of a current production model rig. The floor pan temperature was measured at 150 degrees F causing the APUs to fail. The challenge was to design an effective solution with a goal of reducing this excessive heat to protect the APU and restore driver comfort and safety on the road.

SOLUTION:

HushMat developed easy-to-install, vehicle-specific kits for all current production models. The Manufacturer's Field Engineering group verified the reduction in floor pan heat and issued a field bulletin to direct service centers to begin installing HushMat kits, immediately. **HushMat's kits reduced the floor pan temperature over 50° F.** With more comfortable cabin temps, drivers can remain cool and alert. This also reduced APU failure and warranty costs.



Floor Pan Temperature (Stock Insulation vs. HushMat Ultra)



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