Significant New Material Development

A remarkable new composite material has been developed for applications in the transportation and construction industries where light weight, extreme heat resistance and sound attenuating material is required to meet multiple safety standards. This proprietary formulation has dramatically superior sound attenuation, heat and fire resistance characteristics compared to all conventional materials at a fraction of the weight. It exceeds the requirements of not burning through when subjected to 2000 degrees F for 4 minutes as set forth by Federal Air Regulations, FAR 25.853, Appendix F, part 7,

In addition to the superior performance characteristics, this material is far less expensive than any alternative material that can only approach the minimum requirements of sound attenuation, or fire and heat resistance imposed by current industry safety standards.

This material is flexible, moldable and easy to install. This material is less than .187 inch thickness and weighs in at 5 ounces per sq/ft. It has been tested to withstand over 3500 degrees Fahrenheit for twenty minutes before a burn through of the cold protected side. The material has been tested to have an “R” value of R8 with a noise reduction of over 18 db in the 800 to 20,000 hertz range.

Other key elements of the material are:

1. It is very rugged in construction that will hold up to abrasive conditions.
2. The material is bio-degradable and in it’s raw state will not support mildew or mold growth if the material is subjected to moisture. If moisture protection is a concern the material is easily waterproofed.
3. Independent lab testing found the material to contain no volatile organic compound (VOC) or semi-volatile organic compounds (SVOC).
4. The material is made from all natural materials and produces basically no smoke when subjected to a flame.

WEBBERTEK
Scot Webber - 405-409-7111