

SECTION I : 1.91



Resistant to vibration...

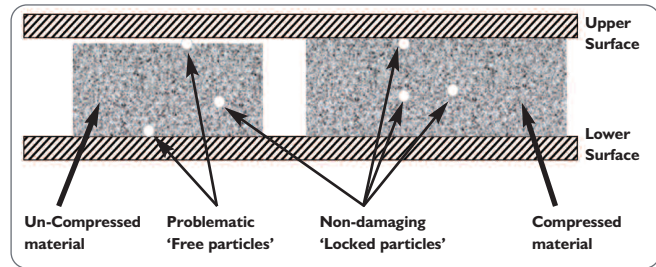
...allows long lifetime
under vibration conditions
where other products fail

Superwool® Plus blanket has been shown to resist vibration under the most severe testing.

- Virtual elimination of large shot
- 30% more fibres
- All shot is locked up in fibre network

Good vibration performance

Some applications in which AES fibres are used combine high vibration with cyclic heating. Generally fibre products perform very well in vibration applications. However in some situations, where large acceleration forces are present, large shot particles can break loose from the fibre structure and, if retained close to the surface, with freedom to move these particles can damage the local fibre structure and cause holes.



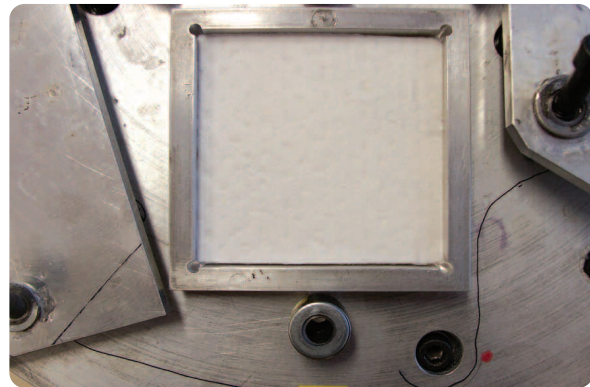
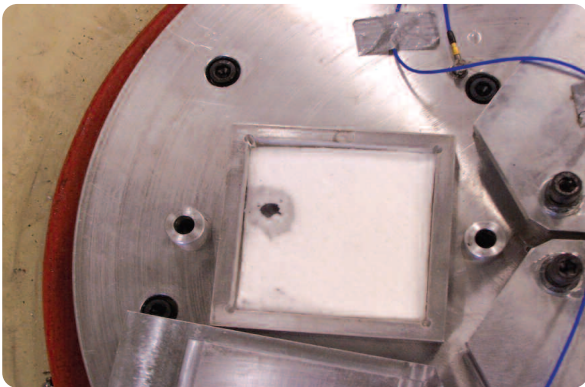
For good vibration performance it is important to eliminate large shot particle and the shot that is present needs to be restrained in the fibre matrix. Surfaces should be slightly compressed to stop the physical movement of the fibre structure or any shot particles that do become free from the structure.

Superwool® **Plus** blanket has been shown to resist vibration under the most severe testing.

How does Superwool® **Plus** blanket react to vibration?

Superwool® **Plus** blanket has been extensively tested on an automotive grade shaker table to assess and benchmark its performance in high vibration environments. Samples which had been heat stressed at 950°C (1742°C) for 20 hours showed no degradation during a 100Hz, 60g accelerated life cycle test. This is in contrast to Superwool® 607® material which was badly affected by vibration of large shot particles.

Superwool® 607® blanket after vibration testing



*Superwool® **Plus** blanket after vibration testing*

Superwool® **Plus** blanket vibration performance

Superwool® **Plus** blanket excels in a high vibration environment due to:

- **Virtual elimination of large shot**
- **30% more fibres**
- **All shot locked up in fibre network**
- **High tensile strength**