

Please find below the e-mail from the equipment suppliers for your files as requested, as you can see I have gone to extreme lengths to source only the best and most suitable equipment to deaden noise and make sure that it is absolutely the premium available option for the facility in terms of noise reduction and designed specifically for purpose ..

Here is some more detailed information regarding the Strength Alliance Gym Tiles:

Strength Alliance rubber gym flooring has been laid in 100's of fitness clubs, gyms and other sports facilities in the UK and EU.

Strength Alliance gym tiles are a single-layer elastic tile, specifically designed for strength and conditioning requirements. It is 20mm thick and its robust composition ensures good dampening characteristics and excellent impact absorption properties. The tiles are quite "forgiving" to jumps and sprint training, supportive for Crossfit "athletes" and offer a sufficient level of slip-resistance.

The gym tiles offer an excellent force reduction rating, above the requirements for athletic surfacing: approximately 50.4%

The force reduction rating is expressed as a relative percentage (bare concrete slab = 0 % force reduction) of the force that is not reflected when applied to a resilient surface. The higher the force reduction rating, the more "forgiving" the surface.

21 Nm. This impact resistance rating quite considerably exceeds the universally applicable minimum requirement for sports floorings of 8 Nm.

Impact sound improvement rating (dLw) > 21 dB

Crumb Rubber Bumper Plates:

From the extremely durable vulcanised rubber compound to the distinctive raised lettering which is bold and clear each and every aspect of Crumb Rubber Bumper Plates has been perfected and manufactured to a high standard.

Designed for Commercial Environments

Strength Alliance Crumb Bumpers make approximately 30% less noise when dropped from a height of 9 ft, based on testing with decibel meter. Hearing damage & loss have become issues to some weightlifting coaches and trainers due to the level of noise exposure from multiple athletes dropping bumper plates throughout a training session. If your gym is located in an area where the dropping of weights can cause a disturbance to your neighbours, the 30% reduction of noise can be invaluable.

Built to withstand the rigours of a busy commercial gym facility, Crumb rubber bumper plates have been designed to last a lifetime. We stand by this statement 100% with a **Lifetime Guarantee*.

Drop Tested

Crumb rubber bumper plates are drop tested over 10,000 times and then re-tested in house to ensure maximum durability. When we tested our 5kg plates and drop tested them from over head against some of our main competitors plates Strength Alliance came out on top and held their shape.

Increased 5KG Thickness

We have increased the thickness of the 5kg bumper plates to 3.8cm. The extra thickness helps dissipate the force when dropping them from over head so your 5kg plates will not lose shape. These are also covered by **lifetime guarantee*.

Overmolded Stainless Steel Insert

The stainless steel insert has been overmolded into the bumper plate to ensure that it doesn't become loose over time. Re-enforced steel had been inserted into the base layer of rubber giving the bumper

plates even more strength. The steel insert is machined to exact tolerances to fit all high-quality olympic bars.