



At least 10% less material required for sports pitches

In August 2009 TigerTurf (UK) Ltd, one of the UK's leading artificial grass manufacturers, commissioned Sportslabs, a specialist in testing sports surfaces, to conduct tests to the FIFA sports pitch standard (Handbook of Test Methods for Football Turf).

Crumb Rubber Ltd material was used as part of the commitment of working with Tiger Turf to achieve a fully recyclable synthetic turf system.

These independently tested results proved that at least 10% less of Crumb Rubber Ltd infill can be used without any affect on performance when compared to typical industry material.

The Facts

Sportslabs conducted three sets of tests on different TigerTurf synthetic turf carpet:

- "Challenger 40" synthetic turf carpet - Report no.: 12671/2295 – 13/08/09
- "Soccer Real MS60" synthetic turf carpet - Report no.: 12669/2293 – 07/09/09
- "Total Turf" synthetic turf carpet - Report no.: 12670/2292 – 07/09/09

The results from these tests using Crumb Rubber material have been compared with previous tests conducted by Sportslabs for TigerTurf in March 2007 using a typical industry rubber infill material.

The key difference in the rubber materials was bulk density. This is a comparative measure of bulk volume when packed, and is a sign of the particle spread within the infill product. It can be an indicator towards the amount of undersized "dust" the product contains.

Typical rubber infill products can contain in the region of 20% of this unwanted material:

- Typical tyre derived infill bulk density 480 kg/m³ - Sportslabs report 12/3/2007
- Crumb Rubber Ltd tyre derived infill bulk density 372 kg/m³ - Sportslabs report 13/8/2009

Quite simply, for any given volume the superior particle size control quality of the Crumb Rubber Ltd process means that less material is needed!

In Summary

Artificial turf contractors can confidently use **10% less Crumb Rubber Ltd material** to achieve the same industry standard sports pitch performance.

Usage	Typical Cover	Crumb Rubber Ltd
Infill Coverage	15 kg/m ²	13.5 kg/m ²
Shockpad Weight	8.5 kg/m ²	7.8 kg/m ²

To take advantage of using low dust rubber granules contact us on **0845 111 4556**.