

NOTICE the use of rubber crumb on grass is Patented the licensed product is Crown III. See our web site  
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Turf Reinforcement

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**Applications in Football & Rugby with Crown III Rubber Crumb**

*Crown III is an innovative and competitive way to reinforce sports turf. It comprises rubber granules of controlled mesh size that are tined into the turf using a verti-drain. Once present at the prescribed level, they give resilience, good aeration and drainage. They assist in stabilising the area and provide a good playing surface. A few examples are given below.*

*Southampton University* treated the whole of their rugby pitch in the summer of 2007 using 40 tons of Crown III applied after verti draining to 7-8inches with 1 inch tines. In May 2009 they say apart from a thicker sward it has drained well and has not been out action as often. They say they will follow the procedure and retreat with half dressing in three years. Very impressed with the results.

*Brian Walker the Head Groundsman of Cardiff Rugby Club*, treated the whole pitch at Cardiff Arms Park with 1-3mm Crown III, totalling 5 kilos per sq metre in March/April 2002. This was the only major treatment carried out that year, in an attempt to improve the drainage, by reducing compaction, strengthen the stability and reduce wear. He reports in May 2003, "The pitch has been drier and more stable than ever before, in spite of the heavy rain we have had this winter. I am particularly impressed with the reduction in the surface damage during the game."

Brian applied the Crown III after using a 1 inch verti-drain to 8-9 inches depth by drag matting into the tine holes. This was achieved in one operation using several passes of the drag mat and filling 95% of the holes. At July 2005 after three seasons use, the stand side of the pitch needs a further dressing. January 2006 foreign visitors impressed with the results.

*Everton Football Club* Used 1-3mm Crown III on goal keeper training area in the 2000/01 season, this proved to be a success, so they extend the use to touchlines and the goal area on the Stadium pitch. This is always tined well into the surface and has proved to be very helpful in extending turf life, keeping the levels and improving drainage. It is being used again on the training area in 2006 and in April 2007 usage extended. 2008 using on Touch lines at Goodison Park and Academy pitch. April 2009 continues to be successful in maintaining grass cover.

*Paul Lidster the Grounds Manager at Cardiff University* decided in April 2008 to treat the wear areas on the 1<sup>st</sup> team Football and Rugby pitches. He hollow tine the areas to 5-6inches and used 5-6kilo/sq/m. April 2009 very impressed with the results in goal mouths and on the rugby pitch

*Kilmarnock Football Club* First applied in May 2002 to the touch lines and the goal area. Always tined into surface so that very little is showing on the surface. The grass in the goal areas has lasted a lot longer, they started to lose it after 34 games. The touch lines are flat and have worn much better than usual. March 2005 still doing well. The goal mouths and Tunnel exit where it is used are better drained and ( cont.)

it assists in seed germination. May 2007 continues to be effective as a drainage aid and for wear resistance. Used on touch lines and on turf nursery

*Shrewsbury School Training Pitch* Tony Hough the Head Grounds had a severe problem on the training area, that was used for several studded sports. An area of 2500 sq.m. was badly churned and holding surface water. At the end of the 2005 season he verti drained the area, and drop spread 4 kilo/sq/m, which was drag matted into the holes. Result the drainage has been improved and a head of grass was evident all season. The recover prior to going into the second season was rapid due to the improved aeration. The area will be retreated at the end of the season or before the start in 2007. Also used on bowlers run ups on the Cricket practice area.

*Bath Spa University College Sports ground* This is managed by Jacqueline McKenna who has used Crown III in the goal of all her pitches since 2004. She says it has eliminated the dishing and as a result pays for itself as there is no need to rebuild on a regular basis. May 2009 using to top area not treated for 2-3years.

*Bristol Rovers and Bristol Rugby*, First used in 2000 on the goal mouths and touch lines. Peter Prior has continued to use Crown III into 2009 to prevent grass wear on these areas and also the players run out. He says it continues to be the most effective treatment available

*Atrincham Football Club* Brian Clark the Chairman of the Club in March 2000 writes to Trafford Council as follows, "It is now two years since you arranged for this treatment and the pitch continues to benefit. The surface appears to be more even and stands up better to adverse conditions. I think it is one of the best pitches in Greater Manchester."

*Alan Ferguson of Ipswich Town*, heard of the experience of Birmingham and when he had a problem on his Stadium pitch, due to flooding, he decided to try reinforcing the area with Crown III 1-3mm grade. He applied 3 kilos per sq. metre to 600 sq. metres of the affected area, on the 10<sup>th</sup> November after using a ½ inch solid tine to two inches depth and brushing the crumb into the surface. He says, "the results were remarkable, not only did surface play much better during the U21 international on the 17<sup>th</sup> but when the temperature during the game dropped significantly the rest of the pitch froze, but the treated area did not." He has now treated the whole Stadium pitch. The pitch dressing was only 1/1.5 kilos/sq./m but a continued improvement has been noted in the stability and ball playing characteristics of the surface. In May 2000 the whole Stadium pitch was treated, at 3 kilos/sq./m using the core recycler. This is the pitch which in June 2001 won the prize for best pitch in the premiership

*Steve Braddock the Arsenal Training Ground.* Steve has now moved to the Training Ground. In the renovation period of 2004 he has used 20 tons on the goal keeping area s of the training ground, and applied in a mixture with sand.

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