



Case Study

Area drainage beneath artificial playing surface



Project: Goals Portsmouth Centre
Client: Goals Soccer Centre, Portsmouth
Contractor: Brakedown Sport & Play Ltd
Product: TERRAM™ 1B1 Drainage composite

The Goals Soccer Centre in Portsmouth, one of 38 first class centres developed by Goals throughout the UK, has eight “third generation” 5-a-side and two 7-a-side pitches, constructed by Brakedown Sport & Play Ltd.

Goals Soccer Centres incorporate the latest in artificial grass technology which provides significant advantages over traditional artificial grass systems.

One of the most significant factors in maintaining a quality artificial playing surface is the provision of an effective drainage system, ensuring the pitch provides a consistently high quality playing performance, whatever the weather.

TERRAM 1B1 was specified as the preferred subsurface drainage solution for this project.

TERRAM 1B1 is a thermally bonded geocomposite consisting of an extruded net core covered on both sides with a TERRAM nonwoven geotextile filter. A prefabricated product, TERRAM 1B1 directly replaces the need for conventional granular fill in subsurface drainage applications.

Commenting on the use of TERRAM 1B1, Gilly Milne, Marketing Manager for Brakedown Sport & Play Ltd said: “The compressive strength and resistance to creep provided by TERRAM’s 1B1 geocomposite provides a superior drainage solution and its lightweight and flexible design makes installation much less time-consuming than traditional drainage methods”

At Goals’ Portsmouth facility, TERRAM 1B1 was laid over the pitches’ sub base and secured in place before being covered with a layer of “third generation” artificial grass.

The superior drainage quality of TERRAM 1B1 supports a high flow rate for water as it passes through the artificial grass layer, preventing the pitches from becoming waterlogged by providing highly efficient and effective lateral drainage into the main land drainage network. In addition, the inherent strength and puncture resistance of TERRAM 1B1 makes it extremely suitable for applications that are to be subjected to significant stresses, as in this case, helping maintain the integrity of the playing surface during its lifetime.

