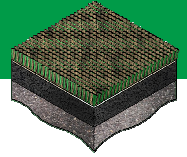


Short pile synthetic turf pitch



Short pile suitability & certification

See table overleaf.

Pitch dimensions & markings

See sportscotland datasheets:

- 004 Pitch & Court markings - Outdoor Hockey

Fencing

sportscotland recommends that a weld mesh fence is erected around the perimeter of the pitch, to minimise ball stray and to provide security to the pitch. A minimum fence height of 3m is recommended.

Consideration must be given to factors such as site location, type of use, management arrangements when developing the fence specification. There are many proprietary fencing systems available on the market, although we do recommend that a polyester powder coated weld mesh is used with a minimum wire gauge of 4mm.

Floodlighting

4 to 8 lighting columns are normally specified for a full size pitch. These must not encroach on the run off area.

sportscotland recommend that a switchable system is considered to allow the lights to be varied for training or match play and part or full pitch illumination.

Required maintained lux Levels:

- Minimum for use: 100lux
- Training: 200-300lux
- Match play: up to 750lux

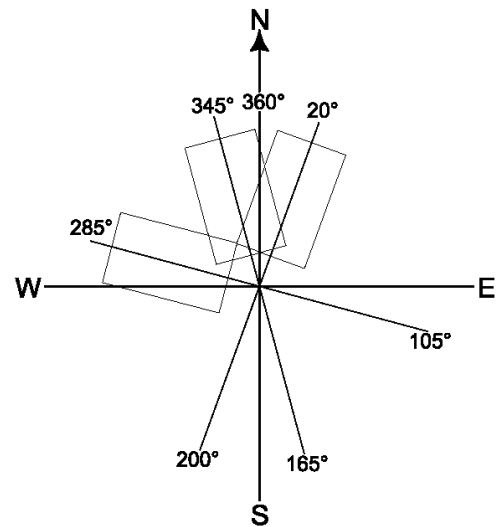
Please refer to the governing body guidelines for individual sports as to the lighting requirements. Please refer to [The SAPCA code of practice for the provision of Outdoor Sports Lighting](#).

Orientation

Correct orientation of a pitch will alleviate problems of glare during early morning or evening sun and during the low angle of the sun in winter.

Ideal orientation is (North – South) Between 285° and 20°

With the best common orientation for sports pitches being 345°



Typical usage





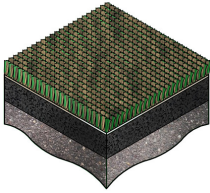
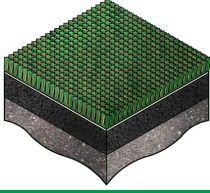
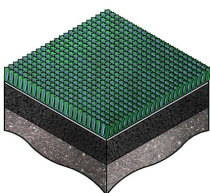
One of the key benefits of opting to construct a synthetic turf pitch rather than a natural grass pitch is the level of use it can sustain all year round. On average, a synthetic turf pitch can be used up to 60 – 80 hours per week, while a grass pitch is closer to 6 - 8 hours per week.

Maintenance & life expectancy

Maintenance of the pitch is essential and will determine the condition and life span of the surface. The agreed schedule of maintenance should be in line with the hours of use, type of surface and performance requirements. Costs of this should be considered within any proposed project.

Please refer to [The SAPCA code of practice for maintenance of Artificial Turf Pitches](#) for details of procedures and requirements.

Short pile synthetic turf pitch suitability

	Football 	Rugby 	Hockey 	Shinty 
Sand Filled 	Suitability X Unsuitable for development training. Unsuitable for match play. Suitable for informal use. Certification	X Unsuitable for full contact training. Unsuitable for match play. Suitable for non contact training and activities such as touch / tag rugby.	✓ Suitable surface for training. Suitable surface for match play. Pitch must be designed and tested to: FIH Standard - National	? Suitable for training. Unsuitable for match play.
Sand Dressed 	Suitability X Unsuitable for development training. Unsuitable for match play. Suitable for informal use. Certification	X Unsuitable for full contact training. Unsuitable for match play. Suitable for non contact training and activities such as touch / tag rugby.	✓ Suitable surface for competitive hockey training. Suitable surface for match play. Pitch must be designed and tested to: FIH Standard - National	? Suitable for training. Unsuitable for match play.
Water Based 	Suitability X Unsuitable for training. Unsuitable for match play. Certification	X Unsuitable for full contact training. Unsuitable for match play.	✓ Preferred surface for match play for performance clubs. Required surface for international matches. Pitch must be designed and tested to: FIH Standard - Global	X Not recommended for training. Unsuitable for match play.
Floodlighting Requirements	Training		200-300lux	
	Match Play		Junior & low level club matches 200-300lux National & international 500lux	

Source documents

FIFA Laws of the Game 2010/2011, SFA Pathway, SFA The Perfect Goal, IRB Law of the Game 2011, IRB Regulations relating to the Game, Scottish Hockey Facilities Strategy 2010, Camanachd Association Specification, RFL Performance Standard for Synthetic Turf, Rugby League Pitch Dimensions 2011.

Endorsed by

Scottish Football Association, Scottish Rugby Union, Scottish Rugby League, Scottish Hockey, Camanachd Association

