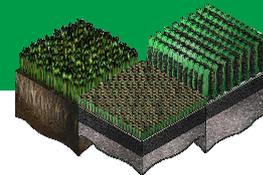


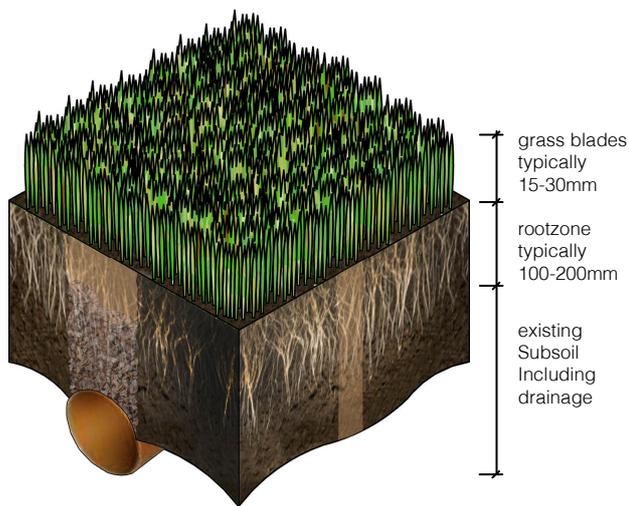
Pitch types



The following information is for guidance only. We recommend that a specialist pitch designer is consulted before commencing a pitch project.

Natural turf pitch

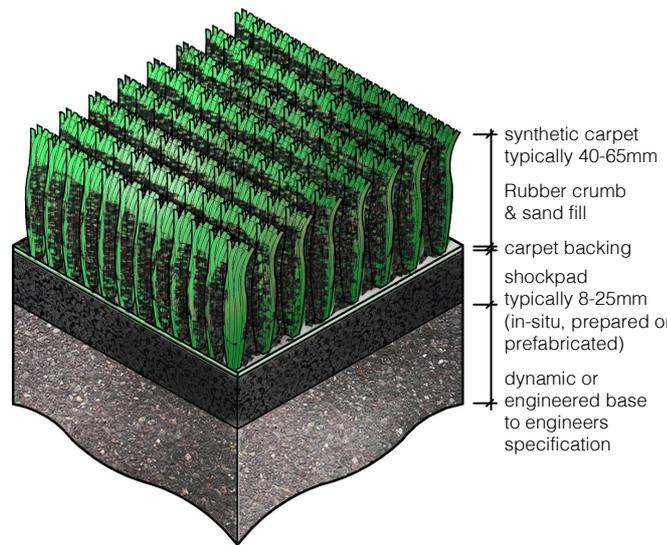
Football / rugby / shinty surface



- grass blades typically 15-30mm
- rootzone typically 100-200mm
- existing Subsoil Including drainage

3G synthetic turf pitch

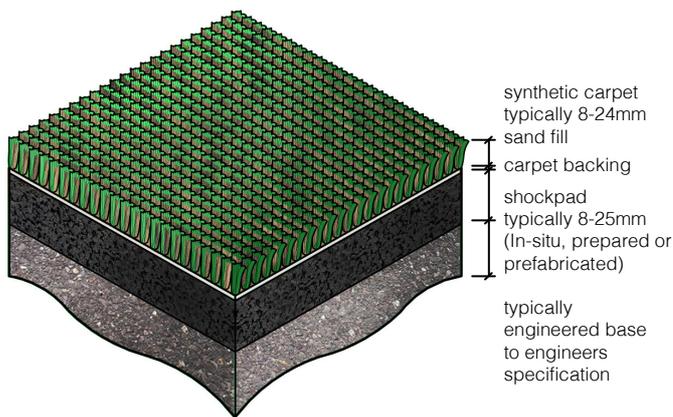
Football / rugby / shinty / 'school level' hockey surface
See **sportscotland** Datasheet 101 for more information



- synthetic carpet typically 40-65mm
- Rubber crumb & sand fill
- carpet backing
- shockpad typically 8-25mm (in-situ, prepared or prefabricated)
- dynamic or engineered base to engineers specification

Short pile synthetic turf "sand filled or sand dressed"

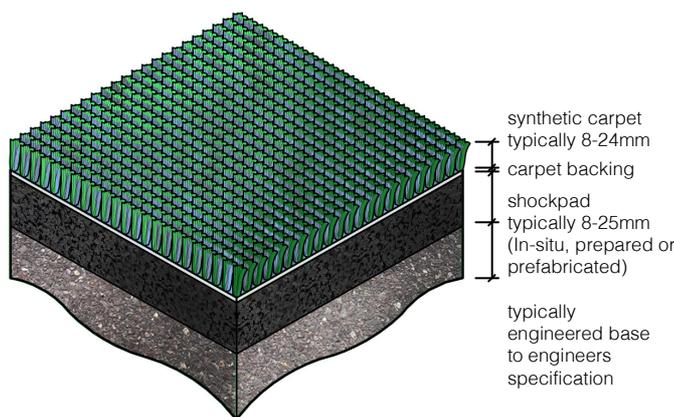
Regional level hockey surface with some recreational multi sport use.
See **sportscotland** Datasheet 102 for more information.



- synthetic carpet typically 8-24mm sand fill
- carpet backing
- shockpad typically 8-25mm (In-situ, prepared or prefabricated)
- typically engineered base to engineers specification

Water based synthetic turf

Specialist elite hockey surface
See **sportscotland** Datasheet 102 for more information.



- synthetic carpet typically 8-24mm
- carpet backing
- shockpad typically 8-25mm (In-situ, prepared or prefabricated)
- typically engineered base to engineers specification

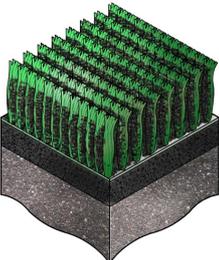
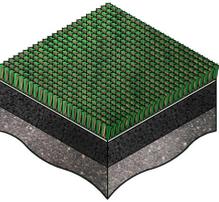
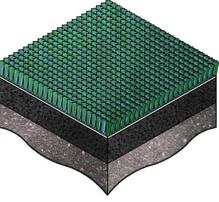
Other surfaces

The terms 4G & 5G have no industry specific meaning at the time of publication.

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.

Pitch suitability (full size)

	Football 	Rugby 	Hockey 	Shinty 
Natural turf pitch 	Suitability ✓ Suitable for training. Preferred surface for match play.	✓ Suitable for training. Preferred surface for match play.	? Unsuitable for club or developmental training. Unsuitable for club match play. Suitable for recreational training & school use up to S3 level.	✓ Suitable for training. Preferred surface for match play.
	Pitch dimensions (full size) For community use 100m x 60m Run offs: 3m all round.	Rugby Union: 120m x 70m - IRB law 1 Run offs: 5m Rugby League: 100 x 68m + 8m in goal areas Run offs: 3m		140m x 70m Run offs: 4.5m behind goal, 3m from touchlines.
3G synthetic turf See sportscotland datasheet 101 for more information. 	Suitability ✓ Suitable for training. Suitable for match play. Acceptable pile length between 40mm—65mm depending on construction.	✓ Suitable for training if certified as noted below. Suitable surface for match play if certified as noted below.	? Unsuitable for club or developmental training. Unsuitable for club match play. Short pile (40mm) FIH certified carpet is suitable for recreational training & school use up to S3 level.	✓ Suitable for training. Suitable for match play. Acceptable pile length between 40mm—65mm depending on construction.
	Pitch dimensions (full size) For community use 100m x 60m Run offs: 3m all round.	Rugby Union: 120m x 70m - IRB law 1 Run offs: 5m Rugby League: 100 x 68m + 8m in goal areas Run offs: 3m	Not suitable for match play, no markings required.	140m x 70m Run offs: 4.5m behind goal, 3m from touchlines.
	Certification FIFA 1* or IATS equivalent certification is recommended. BS EN 15330 certification is acceptable for school / community use.	Rugby Union: Must be IRB compliant. Shock pad required to comply with head impact test. Minimum 60mm pile length required. Certification required from SRU. Rugby League: Must be compliant with RFL Performance standards for STP's. Shock pad required.	Must be FIH accredited carpet.	
Short pile synthetic turf See sportscotland datasheet 102 for more information 	Suitability ? Unsuitable for development training. Suitable for match play. Suitable for recreation.	X Unsuitable for full contact training. Unsuitable for match play. Suitable for non contact activities eg. touch / tag rugby.	✓ Suitable for training. Suitable surface for match play at club & school level.	? Suitable for training. Unsuitable for match play.
	Pitch dimensions (full size) Not suitable for match play, no markings required.	Not suitable for match play, no markings required.	91.4m x 55m Run offs: 5m behind goal, 3 m from touchlines.	Not suitable for match play, no markings required.
	Certification		Must be FIH accredited	
Water based synthetic turf See sportscotland datasheet 102 for more information 	Suitability X Unsuitable for training. Unsuitable for match play.	X Unsuitable for full contact training. Unsuitable for match play.	✓ Suitable for training. Preferred surface for match play for performance clubs. Required surface for international level match play.	X Unsuitable for training. Unsuitable for match play.
	Pitch dimensions Not suitable for match play, no markings required.	Not suitable for match play, no markings required.	91.4m x 55m Run offs: 5m behind goal, 3 m from touchlines	Not suitable for match play, no markings required.
	Certification		Must be FIH accredited	

