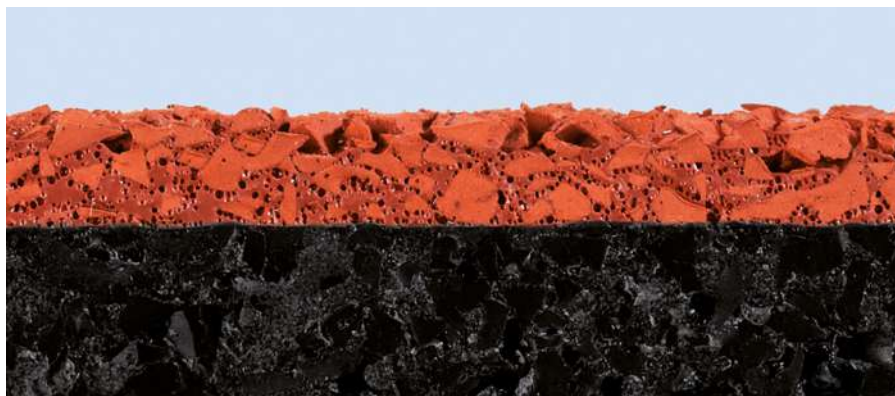


SANDWICH SYSTEM SYSTEM INSTALLATION GUIDE AND PRODUCT DATA



POLYTRAK Sandwich system provides good force reduction and is constructed on a cast in place basemat of rubber crumb applied with clear polyurethane binder.

The base layer is sealed with a combination of micronised rubber and polyurethane, with a final topping of coloured EPDM granules broadcast onto a flood coat of polyurethane compound.

Spreading rates

The following table of spreading rates provides an accurate guide to optimum usage on a perfectly flat substrate. Any undulation or voids may result in additional usage and an allowance must be made for on-site waste or spills. The contractor must ensure that adequate volumes of material are on hand at the time of installation.

POLYTRAK SANDWICH SYSTEM SPREADING RATES				
Base	POLYTECH Binder	20%	1.28 kg/m ²	
10 mm	Black SBR 1-4mm		6.40 kg/m ²	Mix binder and SBR thoroughly
Sealer	Dry Dust		0.25 kg/m ²	Brush into voids
0.5 mm	SC1 System	with 25% dust	1.00 kg/m ²	Squeegee into voids
Top	SC1 System	Part A & B 1:1 mix	2.70 kg/m ²	
2.5 mm	Red EPDM 1-4mm	Scatter to refusal	3.00 kg/m ²	

Installation

Installation of the Sandwich system involves a rubber base mat, bound with a sealer coat and topped with polyurethane compound and EPDM granules. The base mat is cast in place using SBR granules mixed with moisture curing binder. The material can be applied by hand using rollers or with mechanical assistance using a paving machine, such as those supplied by SMG in Germany.

The sealer coat is applied when the base mat is fully cured by brushing a mixture of moisture curing binder and black or red dust into the voids. This procedure is carried out to ensure that the polyurethane compound for the top layer does not penetrate the base mat.

The wearing course of polyurethane compound can be spread manually using squeegees or with the assistance of a pumped system. The rubber granule is scattered to refusal and the loose granule swept off when the polyurethane is fully cured.

Care must be taken with the sweepings to keep the material clean and dry, as this is used on subsequent track sections. The SC1 system can be supplied specified to a curing time that meets geographic conditions.

SANDWICH SYSTEM MAINTENANCE OF THE WEARING SURFACE

POLYTRAK synthetic sports surfaces are produced using high quality rubber, polyurethane and EPDM products that are extremely resistant to normal wear and tear. It is good practice to regularly clean the surface as dirt does increase wear and tear and consequently can shorten the life span of the wearing surface.



CLEANING:

The surface should be washed down periodically with a high-pressure water hose. Depending on the degree of dirt a light detergent in a low concentration can be added. The surface may also be vacuumed and brushed with synthetic brushes if necessary. Heavy dirt spots can be taken off by a damp rag that has been soaked wear coat in that case and should be done under strict supervision.

PREVENTION:

To prevent excessive wear on the inner lanes on a running track, we suggest periodically blocking off different lanes for training purposes. This will ensure that the inner lanes do not wear out first and increase the total life span of the wearing surface.

MAINTENANCE:

Keep the surface free from dust, dirt and pollution, which come from outside and around the running track depending on the layout of the surrounding area and how it is maintained. For cleaning use a water spraying machine with roll brushes similar to road cleaning machines for industrial parking areas (caution to not use excessive high pressure). After preparing the surface with clean water the roll brushing machine should vacuum the dust, dirt and water, keeping the surface free and clean.

The frequency of cleaning will depend upon the level of pollution and outside influences, do not allow the dust to become hard and engrained. The line markings are made out of high quality 2-part-polyurethane lining paints. Depending on use these may require repainting after three to five years.

TECHNICAL DATA

Sandwich flood coat & SBR base
NON POROUS SURFACE

Force reduction	41 %
Vertical deformation	1.5 mm
Friction	73 TRRL
Tensile strength	0.52 MPa
Elongation at break	83 %



Cert No.1819
ISO 9001:2015
ISO 14001:2015
ISO 45001:2018

