Descol sports surfaces

Method Statement

Pulastic Elite Performance 65 Eco

A multi-purpose sports floor providing very good comfort and safety for training and competition combined with excellent resistance to mechanical loads.

Nominal thickness	41,5 mm
Character	Combi-Elastic
Classification	C4 according EN 14904

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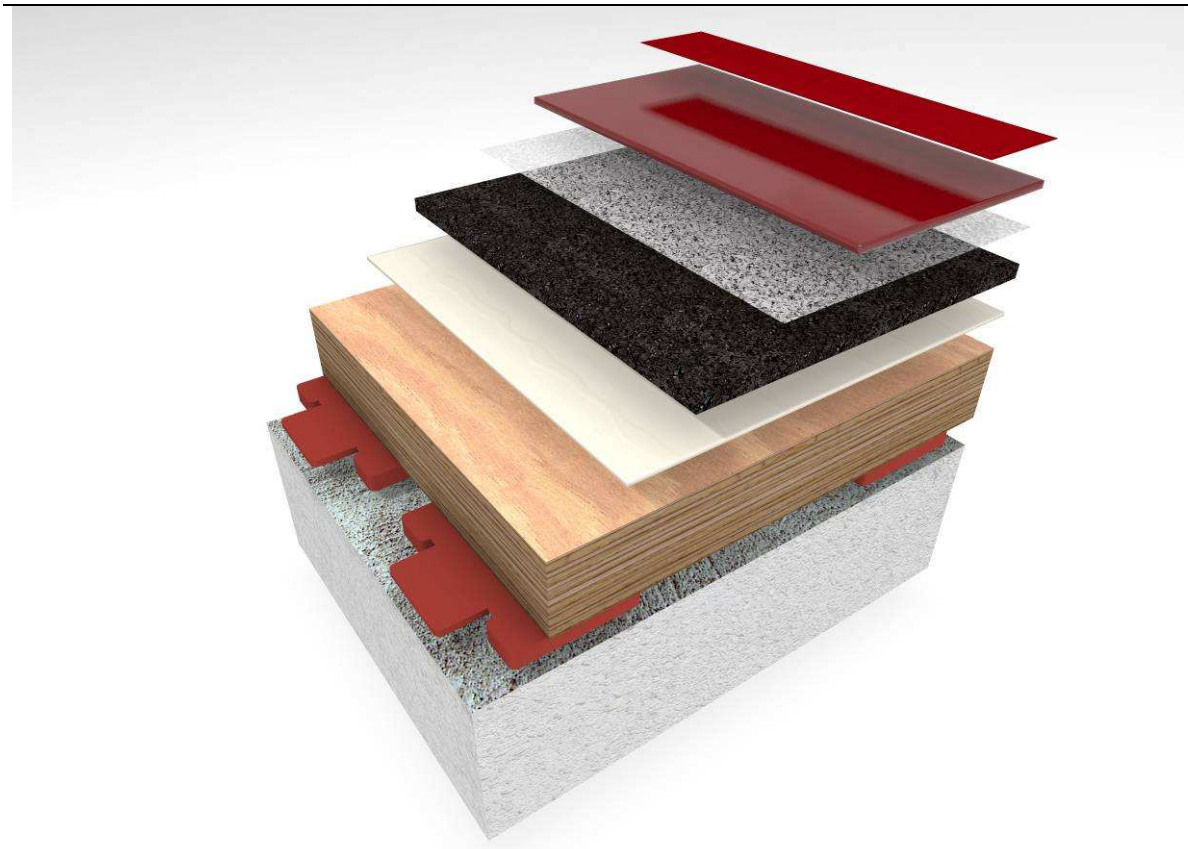
Pulastic Elite Performance 65 Eco

Indoor Sports Surfacing



General System Information	▲ Pulastic Elite Performance 65 Eco is a durable high quality floor covering for sports halls and school-gymnasia, which are used for a wide variety of indoor sports as well as for multifunctional purposes. ▲ The material is a sandwich type construction consisting of an area-elastic plywood construction, a seamless polyurethane selflevelling layer with an average thickness of 2 mm build-up in two courses and a durable matcoat finish. Courts can be marked with PU-Linepaint. ▲ The subfloor shall be according to manufacturers document "requirements prior to the installation of a PULASTIC sports floor". ▲ The nature of the different products requires highly (manufacturer) trained specialists to execute the installation.

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System Build-up

Vapour barrier	***Polythene Sheeting***	
	Thickness	Minimum 2 mm, Sd = 100 m
	Notes:	The vapour barrier should be installed over the construction sub floor. Joints should be overlapped a minimum of 15 cm and lanes should be attached and sealed by taping with waterproof vapour barrier-tape, with edges upturned to the same height as the ready installed floor at all perimeter walls.
Shockpads	***BIO-PADS®*** *(11 mm)*	
	Consumption:	15 / m²
	Notes:	Staple the pads to the plywood. Place the pads evenly spaced throughout the panel. Make sure to have a pad positioned at no more than 2 cm from the edge of a panel around the perimeter of the court. Turn the boards up side down. Take this into consideration when positioning the pads at the perimeter!
First plywood layer	***CL/CP or BB/BB quality, 7-layer Birch***	
	Sheet size:	*1220 x 2440 x12 mm or 1250 x 3050 x 12mm*
	Notes:	All panels will be positioned in a brick-wall pattern. Start the brick-wall pattern of the first plywood parallel along the wall. Leave sufficient space for movement and ventilation between panel and wall around the perimeter of the court, depending on the actual size of the court at least 10mm.. Leave a space of 3 mm between the panels.
Second plywood layer	***CL/CP or BB/BB quality, 7-layer Birch***	
	Sheet size:	*1220 x 2440 x12 mm or 1250 x 3050 x 12mm*
	Adhesive	Tacly ST, full spread
	Consumption:	*400 gram/m²*
	Screws:	COUNTERSINKING SCREWS 22 mm or waxed staples 22 mm
	Consumption:	15 pcs/m². (for screwgun machine)
	Notes:	Again all panels will be positioned in a brick-wall pattern in the length direction of the court. Start the brick-wall pattern of the second layer of plywood with a full size panel under a 45 degree angle. Leave a space of approximately 2 mm between the panels.The second layer shall be attached to the first using a full spread of Tacly ST adhesive (use a notched trowel) and dry wall type, countersinking screws or waxed staples with a length of 22 mm. Working from 5 Kg adhesive packaging is recommended.

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Adhesive	***TACLY ST***	
	Consumption:	700 grams/m².
	Notes:	Approximately 26 m² with a 20 Kg drum and 6 m² with a 5 Kg drum.
	Tools:	Notched trowel, such as Pajarito 777E type A/B1.
Shockpad	***Regupol 6015H***	
	Or equivalent Descol approved prefabricated granular rubber sheeting.	
	Thickness:	4,5 mm.
	Notes	The shockpad has to be rolled out into the wet adhesive and pressed down during the sticky phase. Keep a maximum of 2,5 cm free from walls and fill this up during the sealing compound. Make sure there are no seams between shockpad lanes. If this absolutely can not be prevented these have to be filled with the highly flexible filler mass PULASTIC FM.
	Tools:	Lino roller (55 Kg) for pressing, stanley-knifes for cutting.
Sealing compound	***PULASTIC EG***	
	Consumption:	± 500 grams/m².
	Notes:	Approximately 40 m² with a 20 Kg drum and 10 m² with a 5 Kg drum. Apply directly after the shockpad. The seams between shockpad lanes have to be sealed twice (once in advance of total surface). The curing time of the sealer (which has to be respected before continuation with the first selflevelling layer is allowed) has to be at least: 24 hrs/10 °C - 16 hrs/30 °C.
	Tools:	Flat trowel (squared).
First Selflevelling layer	***PULASTIC GM 2000***	
	Consumption:	± 300 grams/m².
	Notes:	Approximately 67 m² with a 20 Kg drum. Apply within 96 hours after the sealing compound. The curing time of the selflevelling layer (which has to be respected before continuation with the fabric adhesion compound is allowed) has to be at least: 24 hrs/10 °C - 16 hrs/30 °C.
	Tools:	Flat trowel or rubber squeegee (straight/single/hard-strip)
Second Selflevelling layer	***PULASTIC GM 2000***	
	Consumption:	± 2.500 grams/m².
	Notes:	Approximately 8 m² with a 20 Kg drum. The second layer has to be applied within 96 hours after the dimensional stability fabric, otherwise sanding is necessary (grain 80). The total consumption of the two selflevelling layers has to be 2.800 grams/m². The curing time of the selflevelling layer (which has to be respected before continuation with the first selflevelling layer is allowed) has to be at least: 24 hrs at 10 °C or 16 hrs at 30 °C.
	Tools:	Flat trowel (pointed), notched trowel or Swedish knife.
Matcoat finish	***PULASTIC COATING 221/W – TS/W***	
	Consumption:	221/W 135 +/- 5 grams/m² - TS/W 150 +/- 5 grams/m²
	Notes:	This means : ± 76 m² with a 10 Kg drum and ± 7 m² with a 1 Kg drum. Correct all irregularities before application of the coating. If the coating has to be applied more than : 96 hrs at temperatures lower than 25 °C or 72 hrs at temperatures higher than 25 °C, after the second selflevelling layer, the selflevelling layer has to be sanded (grain 100). The curing time of the coating (which has to be respected before continuation with the court marking is allowed) has to be at least: 36 hrs at 10 °C or 24 hrs at 30 °C.
	Tools:	Brush, lambskin side-roller (10 cm), lambskin rollers (1 x 50 cm and 2 x 70 cm).

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Courtmarking	***PULASTIC LINEPAINT*** Consumption: 10 grams/m at 5 cm width. Notes: This means: ± 75 m with a 0,75 Kg drum. Use only masking-tape with very good adhesion properties, which has to be pressed down very accurate. The tape has to be removed before curing of the linepaint. Tools: Masking-tape, Tape-roller (10 Kg), brushes and foam roller 7cm).
General Notes Wood subfloor	▲ All material for the area-elastic subfloor must be stored in dry, covered, level, frost-free conditions. This should be within the area of installation for acclimatisation. ▲ Start acclimatisation three days prior to installation, the ambient relative humidity of the hall should be within working design tolerances, and ambient temperatures in the range 15 to 30 ºC. Once this criteria has been met, any protective wrappings from the wood materials should be removed to allow climatisation of these elements. The alternative is to loose-lay the boards for a minimum period of three days prior to fixing. ▲ The materials should be installed in the same working environment as specified the design brief, particularly with regard to ambient temperature (normally 16 to 20 ºC) and humidity (normally 30 to 60 %). When moisture is present in the structure, the area should be ventilated for approximately 4 to 6 weeks prior to installation of the area-elastic subfloor, and thereafter, maintained in a controlled environment to the above criteria. ▲ Consult manufacturer in all deflecting circumstances.
General Notes	▲ Consult applicable "Product Data Sheet" for detailed application method. ▲ The consumption values are nett quantities. Add 5% to quantities for surface area's smaller than 100 m². ▲ Temperature of material and working area: 10 to 30° C. ▲ Temperature of subfloor: minimal 3 °C above the Dew-point. ▲ Air humidity: max 80%. ▲ The curing time of the floor which has to be respected before full use of the floor is allowed has to be at least : 72 hrs / 10 °C or 48 hrs / 30 °C. ▲ Consult manufacturer in all deflecting circumstances.
Legal Notes	The information contained herein and any other advice are given in good faith based on Descol's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Descol's recommendations. The information only applies to the application(s) and product(s) expressly referred to herein and is based on laboratory tests which do not replace practical tests. In case of changes in the parameters of the application, such as changes in substrates etc., or in case of a different application, consult Descol's Technical Service prior to using Descol products. The information contained herein does not relieve the user of the products from testing them for the intended application and purpose. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.