

Regupol® Compact athletic surface (According to IAAF-Cert. No.: S-99-0011)



1. Base

A hot bituminous asphalt pavement following IAAF standards. Typically paved in 2 layers. Lower levelling course is 40 mm thick and open graded. Wearing course is 30 mm thick and impermeable. Asphalt pavement is paved by laser-guided machinery over a compacted crushed stone base. Density, stability, slopes, compaction and planarity are critical. Final level tolerances must not exceed 4 mm under a 4 m straight edge. No step-like deviations are allowed. BSW can provide detailed sub base and base specifications.

2. Product

Regupol® Compact

Polyurethane based athletic track surface categorised as a “full-depth” polyurethane track system. The solid system construction is impermeable, spike resistant and meets all relevant IAAF specifications.

3. Application

Optional (to seal asphalt pores): Apply asphalt re-surfacer with a rubber squeegee at an application rate of approximately 0,15 kg/m².

Regupol® Compact is applied in three (3) layers:

First layer:

Regupur® polyurethane layer is liquid applied, self-leveling with notched rubber squeegee over dense asphalt base. Black EPDM Rubber granules, size 1,0 – 4,0 mm are being broadcast into polyurethane layer until PU - compound is slightly over-saturated. After polyurethane is cured, excess granules are being removed and collected for re-use.

Second layer:

Procedure of first layer is repeated for the second layer of Regupur® and black EPDM rubber granules.

Third layer:

Procedure of first and second layer is repeated similarly with the exception of the rubber granules being colored special EPDM rubber, size 1,0 – 3,5 mm. After polyurethane is cured, excess EPDM granules are being removed and collected for re-use.

All Regupur® polyurethane compounds are two-component products. The mixing-ratio of Part A to B must be precisely maintained.

Toplayer:

Regupur® polyurethane wear coat and colored EPDM-rubber granules

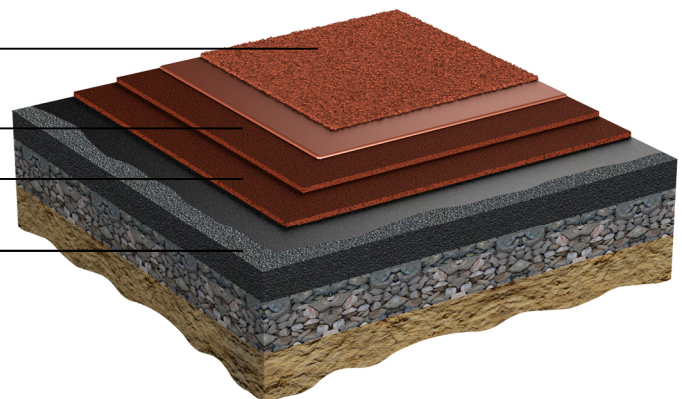
2nd layer:

Regupur® polyurethane and black EPDM rubber granules

1st layer:

Regupur® polyurethane and black EPDM rubber granules

Engineered sub base



TRACKS - SPECIFICATION SHEET

4. Test Data

Product: Regupur® 20 201 wear coat

Properties	Test norm	Result
Density component A, at 23° C		1.42 g/cm ³
Density component B, at 23° C		1.08 g/cm ³
Density mix, at 23° C		1.26 g/cm ³
Mixing ratio		100 : 65
Shore A hardness after 24 h, at 23° C and 50% relative humidity		35
Shore A hardness at 23° C and 50% relative humidity after 28 days		50-55
Tensile Strength	DIN 53504	2.0 N/mm ²
Elongation at break	DIN 53504	150 %
Tear Strength	DIN 53515	3.7 N/mm



TRACKS - SPECIFICATION SHEET

Physical properties of applied system in compliance with test report IST # 8712 according to IAAF Track Facilities Testing Protocols

Properties	Result
Overall thickness (mm)	15,7
Absolute thickness (mm)	14,2
Force reduction (%)	
At laboratory temperature:	36,8
At temperature range 0° - 50°C	32 - 39
Vertical deformation (mm)	
At laboratory temperature	1,8
At temperature range 0° - 50°C	1,4 – 1,9
Coefficient of Friction (TRRL)	67
Tensile Strength (MPa)	0,52
Elongation (%)	43

Regupol® Compact is IAAF – certified and complies with IAAF test criteria. Test report and IAAF Certificate are available upon request.

5. Track marking

Athletic track marking material is a two-component polyurethane line marking paint as supplied or recommended by BSW.



The information contained herein and any other advice is given in good faith, based on BSW's current best knowledge of, and experience with the products when properly stored, handled and applied under normal conditions in accordance with BSW's recommendations. The information applies to the application(s) and product(s) expressly referred to herein. The information contained herein does not relieve the user of the products from testing them for the intended application and purpose. In any case, the sole responsibility of any consequences that result from the use of the product(s) lies with the user. Users are advised to always refer to the most recent version of the Product Data Sheet for the product concerned