



# MAC

McConnell & Associates

Sports & Recreation Surfaces



## MAC Conipur SW Track System

Wherever you walk, run or play,  
MAC Sports leads the way.

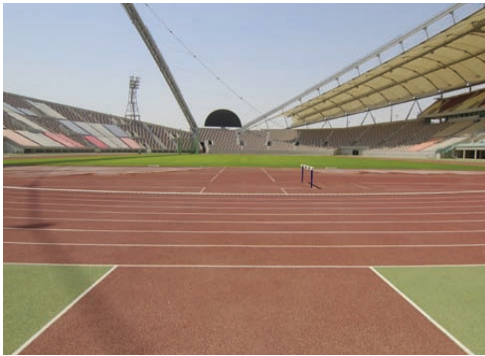


Photo courtesy of BASF Construction Chemicals, Division CONICA Technik

MAC Conipur SW is a 100% polyurethane-based sandwich style track system with an embedded EPDM granule finish. The SW track system offers world class performance for both competition and training. It starts with a paved-in-place base mat which provides exceptional shock absorption for safe long-term training. The next step is the application of a sealer coat of two-component polyurethane to the base mat, making it impermeable. The wearing layer is a squeegee applied, self-leveling two-component polyurethane into which EPDM rubber is broadcast. The finished track system is virtually seamless, with superior performance characteristics and durability that meets expectations at the highest levels of competition. In fact, many people within the track and field community consider a sandwich style track system to be the finest track available. Additionally, MAC Sports uses only time-tested polyurethane manufactured by BASF Construction Chemicals, Division CONICA Technik, the world's largest manufacturer/supplier of polyurethanes for sports surfacing.

The MAC Conipur SW Track System consists of:

- Paved SBR/Polyurethane Binder Base Mat
- Two-component Polyurethane Sealer Layer
- Two-component Polyurethane Wearing Layer with Embedded EPDM Rubber Surface
- Installation Using Mixing and Paving Equipment Designed Specifically for Sports Surfacing by SMG
- World Class Performance with Proven Durability and Low Maintenance
- IAAF certified
- Comprehensive 5 Year Warranty
- Installation by McConnell & Associates

McConnell & Associates Sports & Recreation  
1225 Iron  
North Kansas City, Missouri 64116

Kansas City:  
(816) 842-6066 / (800) 779-6066

St. Louis:  
(314) 962-1920

Pevely:  
(636) 475-7733

[www.McConnellSports.com](http://www.McConnellSports.com)



If you're on a Conipur track system installed by MAC Sports & Recreation, you're running in the fast lane. MAC estimators, engineers and installers work seamlessly to design, build and maintain premier track systems.



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## CONICA®

## MAC Conipur SW

MAC Conipur SW is a three layer, *in situ*, spike resistant, colored, impermeable, resilient polyurethane athletic surface. The total minimum recommended thickness is 13mm. The base layer consists of black SBR granules bound together with a specially formulated, single component polyurethane, Conipur 322. The second layer consists of specially blended thixotropic polyurethane which is used to seal the base mat. The top layer consists of specially formulated colored polyurethane, Conipur 210, into which colored EPDM granules have been embedded before curing.

## Method of Installation

### Asphalt Check

Prior to the application of surfacing materials, the entire surface will be flooded (either by rain or by portable water) and checked for minor depressions or irregularities. Any puddled area covering a nickel will be marked, cleaned, primed, and leveled with base mat material or two part polyurethane (an additional cost will apply). After patching, the asphalt shall not vary more than 1/4" in 10' measured in any direction.

### Installation of MAC Conipur-SW

After ensuring that the asphalt base is clean and dry, any mud, debris, or foreign matter will be removed by sweeping, scraping or blowing.

### Application of Primer

Using an airless spray machine, Conipur 70 or Conipur 322, thinned with solvent, will be sprayed evenly at a rate of 0.3#/sq. yd. The solvent will be allowed to evaporate before applying the base layer.

### Mixing of Conipur 322 and SBR Granules

Conipur 322 and 1-3 mm clean, dry SBR granules will be mixed in a forced mixer at a recommended ratio of 100 parts SBR granules to 20 parts Conipur 322 by weight. Specially-designed continuous mixing equipment will be used for the mixing of the base mat material.

### Application of the Base Layer

The mixed material will be applied to the asphalt base at a thickness of approximately 10mm using a specially designed paver which utilizes a heated screed designed to level and compact the resilient base layer. The base layer will then be allowed to cure (harden). The curing process depends on temperature and humidity and normally occurs overnight.

### Sealing the Base Layer

The base layer will be sealed using a two part, specially formulated thixotropic polyurethane, Conipur 203 or Conipur 210, thickened with EPDM dust. The Conipur Part A and Part B will be mixed in a forced mixer per manufacturer's specified ratios by weight, and rubber dust will be added for proper viscosity. In order to achieve a homogeneous mix, the mixed material should be poured into another mixing vessel and remixed. The mix will then be poured onto the resilient base and, using a straight edged squeegee, the surface will be sealed by scraping the material into the open pores.

### Application of the Top Layer

A batch of Conipur 210 Part A and Part B will be weighed out into two separate containers in the ratio of 100:65 by weight. The two parts will be poured into a mixing container and thoroughly mixed using a forced mixer. When mixed, the material will be transferred into another container and remixed. The mixed material will then be poured onto the sealed resilient base layer and spread using a notched squeegee. The Conipur 210 is self leveling. While still liquid, clean, dry 1-3mm colored EPDM granules will be broadcast into the polyurethane surface to excess coverage. After curing (hardening) the excess EPDM granules will be recovered for reuse.

### Line Marking/ Events Marking

The track will be laid out by a qualified party and all lane and event markings will be marked according to IAAF, NCAA, or NFSHS guidelines.

### Line / Event Spraying

Lanes and events will be sprayed using Conipur 60 specially formulated two part polyurethane paint or approved equal.