



RUNNING TRACKS

An ATG Sports Product

## Track Specifications

**Product: Joske SP – 5/8”**

### 1.0 PRODUCT DESCRIPTION

1.1 The Joske SP- 5/8” is a poured in place polyurethane and rubber running track system. The permeable running track system consists of (1) base primer, (2) EPDM or SBR rubber and polyurethane shock mat, (3) 2mm textured coat and (4) line striping. What makes the Joske SP better than other systems in its class is the quality of materials and equipment used in the installation. ATG Sports only uses test proven materials and specific equipment designed for this specialized type of surfacing.

\* Actual bids will be based on owner's specified thickness in base bid.

### 2.0 MATERIALS

2.1 Pavement Primer:  
Pavement primer will be .35 lb/yd

2.2 Industrial SBR or EPDM Rubber:  
Industrial EPDM rubber will be 16.11 lb/yd

2.3 Shock Mat Polyurethane:  
Shock mat polyurethane will be 21 lbs per 100 lbs of rubber

2.4 Red Polyurethane:  
Red polyurethane will be 2.16 lb/yd

2.5 Gezolan Red EPDM Rubber:  
Gezolan red EPDM rubber will be 1.44 lb/yd

2.5 Soft Aliphatic Polyurethane  
Soft aliphatic polyurethane will be .64 LB/yd\* (used on specialty colors only)

### 3.0 INSTALLATION

3.1 Pavement Inspection:

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Check pavement for any irregularities. All paved areas which are to receive synthetic surfacing shall be straight so as not to vary more than 1/8" when an 11' straight edge is placed over it. Minor irregularities (less than 3/16" in 11') can be repaired with shock mat material at an extra cost.

All areas designed to have more than 1/8" variance will not be paved. No fillers may be used to repair low areas. High spots shall be ground off prior to installation of shock mat material. Asphaltic pavement must have cured at least 14 days prior to surfacing installation. Concrete surfacing shall have a minimum of 30 days cure time. All areas to be surfaced must be clean from dust or other matter prior to installation.

### 3.2 Primer:

Polyurethane based primer shall be applied to the pavement at a rate of .35 lb. per square yard. Primer shall be formulated to insure adhesion between the paving and the new polyurethane surfacing. Shock mat to be installed within 24 hours of applying primer.

### 3.2 Shock Mat:

Shock Mat is manufactured from polyurethane binder and Industrial grade rubber. The polyurethane and rubber shall be mixed in a continuous mixer M-6000. Batch mixing will not be allowed. Shock mat shall be applied with an 11' SMG sports paver specifically designed for running surfaces with a heated vibrating screed. Industrial grade rubber granules processed to a size of between 1mm-3.5mm free of fabric and foreign material with less than 3% dust. Recycled tire rubber will not be allowed. Moisture content shall not be more than 3%.

### 3.3 Texture Coat:

Using a structural spray machine, apply a mixture of polyurethane and EPDM rubber. This mixture shall be 60 parts colored polyurethane to 40 parts .5mm-1.5mm rubber granules by weight. The polyurethane and rubber shall be completely mixed to insure complete encapsulation of each granule. Spray apply a minimum of two coats, each coat shall be 1.8 lb. per square yard. The minimum amount of polyurethane and rubber for the spray coat shall be 3.6 lb. per square yard.

### 3.4 Limitations - Installation Conditions:

A) Minimum installation temperature - 50 degrees and rising for at least

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five hours per day.

B) The maximum temperature cannot exceed 105 degrees at any point during a 24 hour period.

C) Rain cannot be falling. If there is threat of rain, work can be stopped.

### 3.5 Aliphatic Top Coat (Optional):

The aliphatic coating is designed to give owners very specific color selections and eliminate normal fading. Blue and some other colors specialty colors are subject to color change unless an aliphatic spray is applied. Using an airless spray machine, apply two coats of polyurethane soft aliphatic top coating. This material shall be applied at a rate of not less than .32 lb/yd per coat. Apply in two layers being sure to spray in opposite directions for each layer. Total application rate shall be .64 lb. per square yard.

\* This item is only provided if included in owners bid specifications

## 4.0 EQUIPMENT

4.1 Below is a list of the more important equipment needed for the specialized running surface installation. The equipment listed below must be provided prior to commencement of any work.

A) Airless sprayer designed for spraying polyurethane

B) SMG 11' Plano-Matic sports paver with hydraulic assisted electric motors and heated vibrating screed

C) Continuous mixer for the accurate metering and mixing of shock mat and structural spray materials. Mixer shall be M-6000 capable of mixing two component polyurethane and rubber simultaneously.

D) Texturing machine specifically designed for applying polyurethane and rubber texturing materials

## 5.0 Warranty

5.1 All Joske polyurethane surfaces come with a standard five year warranty against excessive wear and defects. For more specific information, please refer to owner's manual.

## 6.0 LINE STRIPING

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- 6.1 Calculations:  
All calculations must be done by a computer program which has been programmed specifically for calculating tracks.
- 6.2 Numerical values must be accurate to ten to the negative seventh power.
- 6.3 Copies of computations must be provided to the owner and/or his agent.
- 6.4 Lane Lines:  
Lane lines must be a clean two inches in width with no more than 1/8 inch tolerance in either direction.
- 6.5 Paint:  
Paint must be a two part urethane, applied at a rate of no less than two gallons per lane line and .03 gallons per square foot for all other events such as start lines, exchange zones, numbers, etc.
- 6.6 Engineers pins shall be buried nine inches deep at both radius points. All markings in the curves shall be laid out with a Theodolite and shall be accurate to within 20 seconds of one degree. A typical transit is not considered suitable for lay out. Straights shall be laid out and marked using a steel engineers tape with proper allowances for temperature.
- 6.7 Dimensions of Markings:  
All lane lines and other markings to be completed in accordance with local state high school rules and regulations as published in the most recent state rule book.

### 7.0 GENERAL

- 7.1 ATG's bid is based on the owner / general contractor providing ATG proper access to the jobsite at all times. Proper access includes, but may not be limited to, a paved or gravel road from the nearest county or city street to the work area.

**\*\*Experience** – Visit [www.atgsports.com](http://www.atgsports.com) to see more on how this level of experience results in better quality.

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