

Product Specifications

Joske SP - 5/8"

Manufactured by A.T.G. Sports Industries

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1. Product Description:

The *Joske SP* is a Paved in place Polyurethane and rubber running track system. Thickness of the surface can vary depending on the Owners needs and budget. This specification refers to ATG's standard thickness of 5/8" The permeable running track system consists of ATG's (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. The *Joske SP 5/8"* is the thickest polyurethane surface on the market! *A.T.G. Sports* only uses test proven materials and specific equipment designed for this specialized type of surfacing.

* Actual bids will be based on owners specified thickness in base bid.

2. Materials:

- A) Pavement Primer - .35 LB/yd
- B) Industrial EPDM or SBR Rubber - 18.25 LB/yd
- C) Shock Mat Polyurethane - 4.0 LB/yd
- D) Red Polyurethane - 2.16 LB/yd
- E) Gezolan Red EPDM Rubber - 1.44 LB/yd
- F) Soft Aliphatic Polyurethane - .64 LB/yd (Used on specialty colors)

3. Installation

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 2 coats, each coat shall be 1.9 lbs per.

A) Pavement Inspection

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 place 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.

B) Primer

Polyurethane based Primer shall be applied to the pavement at a rate of .35 lbs 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.

C) 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 at a ratio of 18.25 lb.. EPDM rubber to 4.0 lb. of Polyurethane. Batch mixing will not be allowed. Shock mat shall be applied with a sports paver specifically designed for running surfaces with a heated vibrating screed. SMG Plano Matic, 1998 or newer. Industrial grade rubber granules processed to a size of between 1mm-4mm. 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%.

square yard. The minimum amount of Polyurethane and rubber for the spray coat shall be 3.8 lb per square yard.

E) Limitations - Installation Conditions

1. Minimum installation temperature - 60 degrees and rising for at least 5 hours per day.
2. The Maximum temperature cannot exceed 105 degrees at any point during a 24 hour period.
3. Rain cannot be falling. If there is threat of rain, work can be stopped.

4. Equipment

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. Warranty

All *Joske Polyurethane Surfaces* come with a standard (6) year warranty against excessive wear and defects.

6. Line Striping

- A) Calculations- All calculations must be done by a computer which has been programmed specifically for calculating tracks. Numerical values must be accurate to Ten to the Negative Seventh Power. Copies of computations must be provided to the Owner and/or his agent.
- B) Lane Lines- Must be a clean two inches in width with no more than 1/8 inch tolerance in either direction.
- C) 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.
- D) Engineers pins shall be buried 9 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 1 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.
- E) 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.