



An ATG Sports Product

## Track Specifications

### Product: Joske M

#### 1.0 PRODUCT DESCRIPTION

- 1.1 The Joske M is a multi layer poured in place full pour polyurethane and rubber running track system. Thickness of the surface can vary depending on the owner's needs and budget. ATG Sports considers 13mm to be the ideal thickness. The specifications herein are based on 13mm. The impermeable running track system consists of (1) base primer (where necessary), (2) 10.0mm EPDM rubber and two component polyurethane, and (3) 3.0mm texturing coat for traction. The owner has the option of an "encapsulated" or "embedded" system texturing coating.

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

#### 2.0 MATERIALS

- 2.1 Pavement Primer:  
Pavement primer will be 20 kg/m<sup>2</sup> (over concrete)
- 2.2 Industrial EPDM Rubber:  
Industrial EPDM rubber will be 5.0 kg/m<sup>2</sup>
- 2.3 Two Component Polyurethane A&B:  
Two component polyurethane A&B will be 8.8 kg/m<sup>2</sup> (encapsulated) and/or 9.0 kg/m<sup>2</sup> (embedded)
- 2.4 Gezolan Red EPDM Rubber  
Gezolan red EPDM rubber will be 4.0 kg/m<sup>2</sup>, scattering quantity
- 2.5 Soft Aliphatic Polyurethane  
Soft aliphatic polyurethane will be .64 LB/yd\*

\* Amount will vary depending on texture coat and thickness required

#### 3.0 INSTALLATION

- 3.1 Pavement Inspection:

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Check pavement for any irregularities. Area to be surfaced shall not vary from the required line, grade and cross-section set forth in the owner specifications by more than 1/8" in 10'. Any irregularities shall be corrected with polyurethane material. 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 .20 kg/m<sup>2</sup>. Primer shall be formulated to insure adhesion between the paving and the new polyurethane surfacing. Polyurethane mat to be installed within four hours of applying primer. Normally primer is only necessary over concrete.

### 3.2 10.0mm Two Component Polyurethane and Rubber

Two component polyurethane consisting of polyol (Part A) and isocyanate (Part B) shall be mixed at very precise ratios. The 10.0mm mat shall be approximately 65% two component polyurethane and 35% rubber. The 10.0mm mat shall be flow applied in two layers.

### 3.3 3.0mm Texture Coat

#### A) Embedded Texture

The embedded texture is two component polyurethane which is flow applied over the 10.0mm mat followed by broadcasting colored EPDM rubber granules on top of the wet polyurethane. The colored rubber granules shall be broadcast on top of the freshly applied polyurethane at a rate of 4.0 kg/m<sup>2</sup>. After the polyurethane has cured, the excess rubber shall be removed. The embedded rubber which remains shall measure about 2.8 kg/m<sup>2</sup>.

#### B) Encapsulated Texture

Texture coat - Using a structural spray machine, apply a mixture of polyurethane and EPDM rubber. This mixture shall be 100 parts polyurethane to 45 parts rubber granules by weight. The two component polyurethane shall be completely mixed and shall encapsulate the rubber. Spray apply a minimum of two coats.

### 3.4 Aliphatic Top Coat (Encapsulated Texture Only)

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

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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.

### 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) Continuous mixer for the accurate metering and mixing of polyurethane. Mixer must be capable of mixing two component polyurethane and rubber simultaneously.
- C) 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

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

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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:  
Start lines - 2" x lane width, exchange Zones -15" triangular to point, prep marks 6" equilateral triangles, and hurdles: 2-1/2" triangles painted directly on lane line.

### 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.