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**TEST REPORT** 

| <b>ROBERTSON INDUSTRIES</b> |  |  |
|-----------------------------|--|--|
| 4145 W. MERCURY WAY         |  |  |
| CHANDLER, AZ 85226          |  |  |

 DTL REPORT NO
 7028006-2

 REPORT DATE
 5/23/07

 RECEIVE DATE
 5/8/07

**ATTN: Richard Hawley** 

## SAMPLE DESCRIPTION

Robertson Industries submitted eight (8) 9 inch x 9 inch samples identified as TotTurf Unitary Rubber Samples

## WORK REQUESTED/TEST SPECIFICATIONS

Flammability per ASTM D2859-04

## SAMPLE CONDITIONING

Prior to testing, the samples were conditioned at  $23 \pm 2^{\circ}$ C and  $50 \pm 5\%$  relative humidity, as applicable.

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## ROBERTSON INDUSTRIES DTL REPORT NO 7028006-2 5/23/07

## **TEST RESULTS**

## FLAMMABILITY PER ASTM D2859-04

**Results:** 



| Sample ID | Distance from charred region of specimen to<br>steel frame (mm) | Burn Time<br>(sec) |
|-----------|---|--------------------|
| 1         | 90 mm (ignition flame burned out)                               | 162                |
| 2         | 90 mm (ignition flame burned out)                               | 153                |
| 3         | 90 mm (ignition flame burned out)                               | 150                |
| 4         | 90 mm (ignition flame burned out)                               | 180                |
| 5         | 90 mm (ignition flame burned out)                               | 142                |
| 6         | 90 mm (ignition flame burned out)                               | 132                |
| 7         | 90 mm (ignition flame burned out)                               | 169                |
| 8         | 90 mm (ignition flame burned out)                               | 169                |

Requirements: The charred portion of the tested specimen shall not extend to within  $25 \pm 0.5$  mm [1.0 inch] of the edge of the hole in the steel frame at any point.

Conclusion: The specimens meet the stated requirements.

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### **TEST EQUIPMENT**

# Detroit Testing Laboratory, Inc.'s calibration system meets the requirements of ISO 17025:2005.

Mitutoyo; 12" Stainless Steel Ruler, M/N 182-255, ID: 09955, calibrated to: 5/2007. Sportline; Stop Watch, ID 11987, calibrated to: 8/2007. Fluke Hydra; Data Logger, S/N 5624653, ID: 10890, calibrated to: 1/2008. Blue M Electric Co.; Stabil-Therm Constant Temperature Cabinet (Oven #12), M/N OV-500C-2, ID: 08629, no calibration required.

## SAMPLE DISPOSITION

The test samples were returned to the originating department.

Reported by:

### **DETROIT TESTING LABORATORY, INC.**

David Smith, Laboratory Supervisor

Materials Testing

Timothy R. Geiger, Group Manager

Materials Testing

DS/TRG/etj

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