



LABORATORY TEST REPORT

COMMERCIAL GYM TILES

GYM TILES

FLAMMABILITY
According to
ASTM D 2858-96

September 20, 2009
3 x pages plus cover

COMMERCIAL GYM TILES

September 20, 2009

IST Reference : 968 / KS
Subject : **Shock Absorbing Surface
Flammability (Burning Pill) per ASTM D 2859-96**

IST was commissioned to test 1 sample of shock absorbing surface system for Flammability according to ASTM D 2859-96 (Burning Pill) "**Standard Test Method for Ignition Characteristics of Finished Textile Floor Covering Materials**".

1. Description of Samples

Gym Tile

15 mm nominal thickness
Sprinkled Colored EPDM Granules plus
100% SBR "fines" Bound with Polyurethane

2. Sampling

Date September 2009

3. Delivery of Samples

Date September 12, 2009
Type of Samples 3 pieces each sample, 300 x 300 x 15 mm thickness

4. Test Standard

ASTM D 2859-96 Standard Test Method for Ignition Characteristics of Textile Floor Coverings

5. Test Equipment

Ignition Source Methenamine Tablet (0.149 g) # 1588, Eli Lilly & Co., as specified in section 6.9 of standard

6. Test Procedure

The product was preconditioned and tested according to the procedure in ASTM D 2859.

The sample product was tested separately for ignition characteristics.

A Methenamine tablet was placed flat on top of the sample, in the center of the specified ring and ignited with a match on its top surface. The ignition flame and any propagated flame was allowed to burn until it self extinguished or reached the edge of the metal ring. The area of the burn was then measured.

The sample was subjected to 1 burn.

7. Test Results

15 mm nominal thickness
Sprinkled Colored EPDM Granules plus
100% SBR "fines" Bound with Polyurethane
3 out of 3 test samples self extinguished within 2 minutes 21 seconds to 2 minutes 25 seconds.
The residual burn marks measured 1/2" to 1/2" (11 mm)

8. Conclusion

The surface met the acceptance criteria of Standard ASTM D 2859-96.



Dipl. Ing. H.J. Kolitzus