

MS³ SOLID TOP TECHNICAL DATA

Description:

Imperial 12" x 12" x 1/2" Solid or Open top high impact polypropylene copolymers suspended modules and FlexGrip™ stability system designed to provide ultra high support structure. Special design combined with thick sidewalls for highest torsional rigidity and maximum strength to weight ratio. Tiles shall have positive locking system with mechanical FlexGrip™ feature. Tiles shall also have 10 year limited warranty as manufactured by T & C Sports, Inc.

The special design, combined with thick sidewalls for maximum strength to weight ratio, supports all types of athletic and event uses such as trade shows, concerts, public events and graduations. Geo-grid stability system fully supports heavy equipment from forklifts to trucks and aerial lifts to perform building maintenance and set-up work for events.

PHYSICAL PROPERTIES

Material Test Results

- Rockwell hardness (ASTM D 785): 70
- Heat deflection @66 psi (ASTM D 648): 185
- Melting point isotactic (ASTM D 2117): 325
- Auto-ignition temperature (ASTM D 1929): 1050° F
- Vicat softening point (ASTM D 1525): 262° F
- Low temperature brittleness (ASTM D 2137): -22° F
- Flex-modulus (ASTM D 790): 115,000 psi., (795 Mpa)
- E-Modulus (ASTM D 5418) 120,000 psi., (827 Mpa)
- Tensile Yield Strength (ASTM D 638): 3,000 psi
- Notched IZOD (ASTM D 256) 12(ftlbs/in) @ 23° C
- Elongation at Yield (ASTM D 638) 20%
- Co-efficient of Linear Thermal Expansion ((ASTM D 696, E-83-1): 58.3 x 10⁻⁶ (in / in) / °

Product Results

- Flame Spread Index (ASTM E84): 70
- Smoke Generation (ASTM E 662): 325
- Radiant Panel (ASTM E 648): .45 Watts/cm²
- Friction Test (ASTM C 1028) dry .76 wet .54
- Compression vs. Crush (ASTM D 3998): no break
- Noise reduction coefficient (ASTM C 423) 5-10%
- Rolling Load (DIN 18032) PASS
- R-Value <1.0
- Flatness 0.0 mm
- Load bearing Capacity: > 25,000 pounds per tile

SANITARY INFORMATION

Resistance to the following

Fungi (in compliance with ASTM G-21 and MIL standard 810-D procedure 508.3).

All basic organisms (ATCC #6205-11797) have zero growth.

Bacteria and mildew

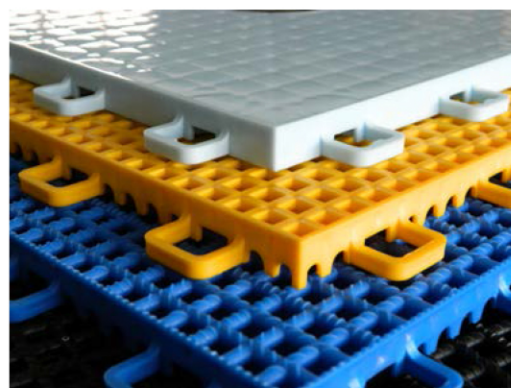
Gram-positive bacterial Staphylococcus Aureus

Gram-negative Klebsiella Pneumoniae

Pink-staining organism

STV Reticulum

Surface fungi growth prior to and following leaching



Sports: MS³ Sports Surface is the perfect playing surface for in-line hockey, soccer, basketball, lacrosse, volleyball and whiffle ball. It is also perfect for event uses including trade shows, concerts public events.

Initial Installation Process: Surface is palletized in 4 x 4 sheets with 960 tiles per pallet. Sheets are removed and spread around rink for easy placement. Sheets are then snapped and locked together. Line markings, face-off spots and goal creases are then defined with different color tiles or painted lines.

Removal process: Surface is broken into 4' to 8' sections by inserting broom handle under opening and running handle along the floor locking. This does not break the locking mechanisms or hurt the surface in any way. The surface is then separated into 4' sections and placed on the shipping pallets for storage. The reinsertion process is accomplished by removing the sections and snapping them together according to section markings on the pallets.

Portability: The surface can be moved by a fork lift truck when stacked in sections on pallets.

Temperature Ranges & Life cycle: The surface has constant effectiveness in wide temperature ranges (50 to 90 degrees.) The life cycle of the surface in a closed building will be 15 to 20 years.

Market age: The MS3 Multi Sports Surface has been manufactured since 1998 and is manufactured in Massachusetts under the supervision of the principals of T & C Sports each of who have over 25 years in the sports flooring industry.

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