



# ASTM Specification & Performance Test Methods

ASTM INFORMATION					TEST NAME	Scope
ASTM NO.	Year	Month	Vol.	Page		
AAT CC 134					Electrostatic Propensity ESD Shoes	Measures how much static a person gains from walking on the floor
ANSI UL 779	2011	Aug		16	Electrical Properties	Covers electrically conductive floors, Hospitals, Arsenals, operating rooms
D 297-93	1995	July	9.01	1	Standard Test Methods for Rubber Products Chemical Analysis	Covers the qualitative and quantities analysis of the composition of rubber products
D 412-92	1995	July	9.01	41	Standard Test Method for Vulcanized Rubber and Thermoplastic Rubber and Thermoplastic Elastomers ( Tension)	Procedures used to evaluate the tensile (tension ) properties of vulcanized rubber
D 412					Elongation	Mechanical test to pull the material apart measures elasticity.
D 624-91	1995	July	9.01	123	Standard Test Method of Conventional Vulcanized Rubber and Thermoplastic Elastomers	Procedure for measuring a property of conventional vulcanized rubber called tear strength.
D 925	1995	July	9.01	158	Standard Test Method for Rubber Property - Staining of Surfaces (Contact, Migration, and Diffusion)	Evaluates 3 types of staining or discoloration that rubber may cause when in contact with...
D 2047	2011	Sept	15.04	191	Standard Test Method for Static Coefficient of Friction of polished coated flooring surface as measured by the James Machine	Using the James Machine measuring the static coefficient of friction of a polish - coated floor surface
D 2240-91	1995	July	9.01	400	Standard test Method for Rubber Property - Durometer Hardness	Using a specific type of Shore A or Shore D Apparatus and 73 f. $\pm 3$
D 3389	1995	July	9.01	126	Standard Test Method Coated Fabrics Abrasion Resistance (Rotary Platform, Double Head abrader)	Covers the determination of the resistance to abrasion of fabrics coated with rubber or plastics
D 570 - 98	2002	Jun	8.01	32	Water Absorption of Plastic	Covers the determination of the relative rate of absorption of water by plastics when immersed.
E 84-07	2007	Nov	4.07	555	Standard Test Method for Burning Characteristics of building materials	Lab Test to evaluate the flammability of finished floor tile when exposed to an ignition source.
E 648-06a	2007	Nov	4.07	678	Standard test method for Critical Radiant Flux of floor covering systems using a radiant heat energy source	Covers a procedure for measuring the critical radiant flux of horizontally mounted floor-covering systems exposed to a flaming ignition source.
E 662-06	2007	Nov	4.07	692	Standard Test Method for specific optical density of smoke generated by solid materials	Lab test to evaluate the radiant heat levels whose upper surfaces are heated by flames or hot gases or both from adjacent rooms or compartments, hallway, corridors or exits ways.

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ANSI / ESD S 7.1	1999	Aug	S20.20		ESD Association Standard Test Method for the Protection of Electrostatic Discharge Susceptible Items - Resistive Characterization of Materials	This standard establishes test methods for measuring the electrical resistance of floor materials where protection of ESD susceptible items is required. The resistance considered here are measured from the top of the floor materials to its ground connection and from top surface to top surface locations.
F 137-08					Standard Test Method for Flexibility of Resilient Flooring Material with Cylindrical Mandrel Apparatus.	1" Mandrel, conditioned in water @ 73 degree for 24 hrs wearing surface facing out.
F 150	2011	Sept	15.04	741	Standard Test Method for Electrical Resistance of Conductive and Static Dissipative Resilient Flooring	Tells you how to, type of equipment 100V or 10V to Test a Floor and Determines the electrical conductance or resistance of resilient flooring
F 510-93	2011	Sept	15.04	759	Standard Test Method for Resistance to Abrasion of Resilient Floor Coverings Using an Abrader with a Grit Feed	This action approaches the twisting action between shoe and floor that occurs when a person turns.
F 511-11	2011	Sept	15.04	762	Standard Test Method for Quality of Cut ( Joint Tightness) of Resilient Floor Tile	Measuring and evaluating the quality of cut (joint tightness) of square resilient floor tile
F 710-11	2011	Sept	15.04	769	Concrete Composition and Practices	Water-cement ratio, curing and drying, alkalinity, efflorescence
F 710-11				769	Concrete Composition and Practices	Alkalinity
F 710-11				769	Concrete Composition and Practices	Efflorescence
F 925-02	2008				Standard Test Method for Resistance to Chemicals of Resilient flooring	determining the resistance of resilient floor covering to surface deterioration when exposed to various chemical reagents.
F 970-07	2011	Sept	15.04	781	Standard Test Method for Static Load Limits	Determines recovery Properties of resilient floor after long term indentation 24 hr. under load
F 386-11	2011	Sept	15.04	747	Standard Test Method for Thickness of resilient flooring Materials having a Flat Surface	This method covers the determination of thickness of resilient non textile flooring includes tile and sheet not for foam layers.
F 1037-10	2011	Sept	15.04	784	Standard Test Method for Visual Rating of Appearance of Resilient floors after in-service exposure to foot traffic	Intended to provide a numerical rating system for classification of resilient floors perceived by a knowledgeable user.
F 1265-03a	2011	Sept	15.04	795	Standard Test Method for Resistance to Impact for Resilient Floor Tile.	Examination for breaks or cracks beyond the 3 in. circle. Zinc oxide paste covered upside down.
F 1344	2011	Sept	15.04	805	Rubber Floor Tile Standard Specifications	Class , color, quantity, Size Thickness, resistance, packing, hardness, static load, resistance to heat & light abrasion.
F 1514-03	2011	Sept	15.04	814	Standard Test Method for Measuring Heat Stability of Resilient flooring by Color Change	Resistance to color change from exposure to elevated temp., for a specified time
F 1515-03	2011	Sept	15.04	817	Standard Test Method for Measuring Light Stability of Resilient Flooring by Color Change	Resistance to color change from exposure to light for a specified time

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F 1516-08	2011	Sept	15.04	821	Stand Practice for Sealing Seams of Resilient Flooring Products by the Heat Weld Method	Covers the instruction and precautions to be observed to ensure satisfactory performance of seams in resilient floors.
F 1861-08	2011	Sept	15.04	835	Standard Specification for Resilient Wall Base	Gives Classification Type, Group No., types and corner specs. Height, thickness, length, squareness, chem. resistance
F 1869-10	2011	Sept	15.04	841	Standard Test Method for Measuring Moisture Vapor Emission Rate of Concrete Subfloor using Anhydrous Calcium Chloride	To determine the amount of moisture shall be expressed as the rate of moisture vapor emission, measured in pounds of moisture over a 1000 sq ft in 24 hrs.
F 1914-07	2011	Sept	15.04	848	Standard Test Method for Short-Term Indentation and residual Indentation of Resilient floor covering.	Measures how deep the dent under a certain amount weight per sq. inch. And how much recovery in a certain time period.
F 1700 - 04	2010	Sept	15.04	818	Standard Specification Solid Vinyl Floor Tile	Binder Content, Size, Thickness, Squareness, Residual Indentation, Flexibility, Dimensional Stability, Chemical Resistance, etc.
F 2055-10	2011	Sept	15.04	856	Standard Test Method for Size, Tolerance, Squareness of resilient floor tile by dial gage method	This test covers the determination of both dimensions (length and width) and squareness of resilient floor tile.
F 2170-09	2011	Sept	15.04	866	Standard Test Method for determining Relative Humidity in Concrete Floor Slabs using In-Situ Probes	Covers the quantitative determination of percent relative humidity in concrete slab for field or laboratory test.
F 2199-09	2011	Sept	15.01	875	Standard Test Method for Determining Dimensional Stability after heat exposure.	is used to measure the ability of the floor tile to retain its original dimensions following exposure to heat simulating a long service life.
F 2471-08	2011	Sept	15.04	890	Standard Practice for Installation of Thick Poured Lightweight Cellular concrete underlayment and preparation of the surface to receive resilient flooring	This practice covers the installation and prep of the thick poured lightweight cellular concrete over wood concrete floors
F 2753-10	2011	Sept	15.04	905	Standard Practice to Evaluate the Effect of Dynamic Rolling Load over Resilient Floor Covering System	This practice is intended to be used by resilient, adhesive and underlayment manufacturers to measure the impact of a dynamic rolling load
NFPA - 99					Standard for Health Care Facilities	
NFPA - 101					Life Safety Code	
NFPA - 253					Fire Resistance	