About Altro safety flooring

Altro is renowned for its exceptional slip resistance, surpassing industry standards to ensure optimal safety. Through rigorous testing and quality control measures, Altro consistently exceeds safety regulations. Altro offers sustained slip resistance that won't wear out like other options, providing security throughout the product's lifetime.

Altro safety flooring meets exceeds industry standards in many key areas. The high slip resistance reduces potential injuries to employees, thus reducing potential down time and minimizes slip and fall claims. The product also achieves the highest ratings for fire and smoke values and complies as class 1 for the international building code.

The customer will generate fewer and less costly claims for their Commercial Insurance Companies by reducing:

- Potential WC claims
- Liability concerns
- Fire claim costs

This should be reflected in the insurance premiums.

Our safety flooring ranges are rigorously tested for slip resistance values using multiple techniques from around the globe.

1. **Static coefficient of friction ASTM D2047-** 92 dry, .88 wet
2. **Dynamic coefficient of friction ANSI/NFSI B101.3 -** .74 wet DCOF
3. **TRRL pendulum test BS 7976 ASTM E303** - 55+
4. **Ramp test DIN 51130** - R12

Altro flooring meets and exceeds guidelines for fire and smoke. Your facility's safety is our priority, and our adherence to industry standards reflects our dedication to protecting lives and property.

1. **Flame Spread ASTM E648** – Class 1
2. **Smoke Development ASTM E662** - >450
3. **CAN/ULC – S102 Fire and Smoke:** Class I < 450

By investing in an Altro safety floor you are investing in the safety of your restaurant. We recommend you share this document with your insurance provider for consideration to your facilities premiums.

Tested to the industry slip and fall standards

Static coefficient of friction ASTM D2047: .92 dry, .88 wet

Test Method D2047 establishes a compliance criterion relating static coefficient of friction measurements of flooring surfaces with human locomotion safety. The compliance criterion is based on extensive experiential data from residential, commercial, industrial and institutional walkway surfaces since 1942.

Dynamic coefficient of friction ANSI/NFSI B101.3: .74 wet DCOF

DCOF, or dynamic coefficient of friction, is a measurement that determines how much friction there is on wet, level floors when walked upon. DCOF ratings are on a scale 0.00 to 1.00 μ. NFSI B101.3-2022 specifies that anything below <0.30 DCOF requires professional intervention, anything between 0.30 – 0.44 DCOF should be monitored and tested regularly, and ≥0.50 (ramp)/ ≥0.45 (level surfaces) do not require any immediate action.

TRRL pendulum test BS 7976 ASTM E303: 55+

The pendulum skid tester, known in the U.S. as the “British pendulum” although it was invented at the U.S. National Bureau of Standards, is the most widely used floor slip resistance tester worldwide for measuring the slip resistance of pedestrian surfaces (DCOF rating). It is a national floor slip test standard in at least 50 nations.

Ramp test DIN 51130: R12

The ramp test (DIN 51130) measures the gradient at which a person slips on a flooring sample on a ramp. The flooring is contaminated with motor oil, and the person used in the test wears cleated work boots and walks in a controlled manner. This test is widely used throughout Europe and is considered a standard for many flooring manufacturers.

Tested to industry fire and smoke standards

Flame Spread ASTM E648 – Class 1

ASTM E648 measures the ability of a flooring material categorized as “interior floor finish” to limit the progression of a fire through a corridor also known as flame spread. This test is adopted in the building code and is considered the standard in the US. Products are given a value and classification, with 1 being the best. All Altro flooring products rate as Class 1 for optimal flame spread characteristics according to the National Fire Protection Association.

Smoke Development ASTM E662 >450

ASTM E662 (ASTM E-662) is a fire-test-response standard that covers determination of the specific optical density of smoke generated by solid materials and assemblies mounted in the vertical position in thicknesses up to and including 1 inch. ASTM E662 results are expressed in terms of specific optical density which is derived from a geometrical factor and the measured optical density, a measurement characteristic of the concentration of smoke. Materials are rated on a pass/fail basis. Altro safety flooring complies with this standard.

CAN/ULC – S102 Fire and Smoke: Tested, Class I < 450

The industry standard in Canada, the CAN/ULC S102 test method tests both the flame spread and smoke development of materials. Similar to the US standard, the test provides a rating for flame and a pass fail for smoke. Altro safety flooring achieves the highest flame spread rating and complies with the smoke generation requirements.