

ABDEFENDER®

Your first line of defense!

Selecting ABDEFENDER rubber floor tiles and stair treads is **your first line of defense** for emergency exit stairways of high buildings requiring superior fire-retardant properties and low smoke development.



AB DEFENDER Features & Benefits:

- Increased safety due to high fire-retardant properties and low smoke development
- Designed to meet the requirements of emergency exits, egress areas and stairways of high buildings
- Meets ASTM E84 Standard Test Method for Surface Burning Characteristics of Building Materials - Class "A"
- Meets CAN/ULC S102.2 Test of Surface Burning Characteristics of Building Materials and Assemblies

Colors

ABDEFENDER Stair Treads & Tiles are available in 6 Colors.

ABDEFENDER tiles come standard in round profile (ADR) in 18"x18" and 36"x36" nominal sizes.

To order tiles use ADR code followed by color code and size. Example: ADR-33 in 18"x18"



ADR-33 LRV 25.3
Polished Pewter



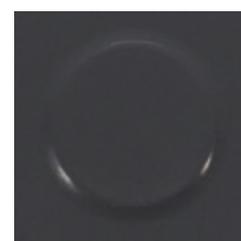
ADR-24 LRV 10.3
Battle Grey



ADR-91 LRV 6.7
Night Sky



ADR-38 LRV 21.3
Warm Stone



ADR-37 LRV 8.7
Carriage Grey



ADR-20 LRV 3.8
Onyx Black

ABDEFENDER®

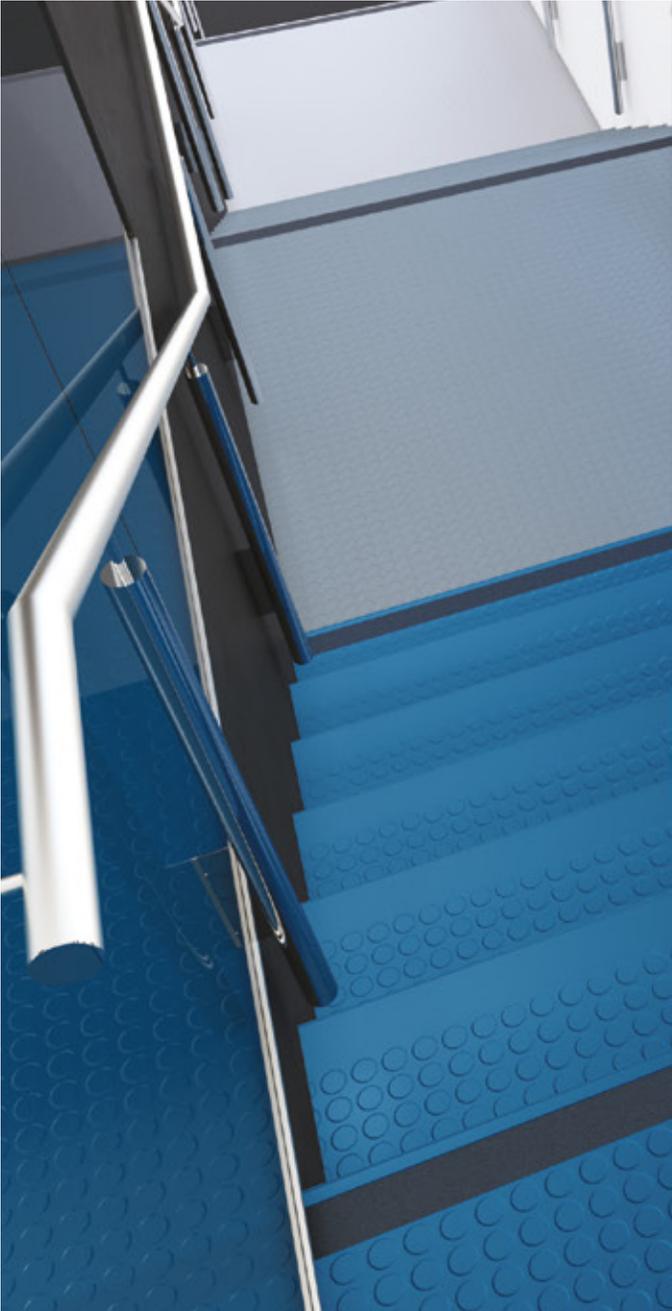
Did you know?

Emergency exit stairways of high buildings require rubber stair tread and flooring material to meet ASTM E84 Tunnel Test Class A and CAN/ULC S102.2. This is in order to limit hazards to buildings and their occupants in case of a fire emergency.

Materials that meet these stringent norms are considered extremely fire resistant, to be a slower smoke and fire spread hazard, and ultimately

made to protect occupants and buildings in case of emergency.

In the U.S. the requirements for material used for emergency and fire exits may vary from city, state, local, and federal government agencies and may require non-combustible building materials that meet ASTM E84 Class A and stringent Flame-Spread (≤ 25), and Smoke Developed (≤ 50) ratings per CAN/ULC S102.2 test protocol.



The National Building Code of Canada "Flame-Spread Rating and Smoke Developed Classification in High Buildings" requires to have the following ratings based on the CAN/ULC S102.2 test protocol:

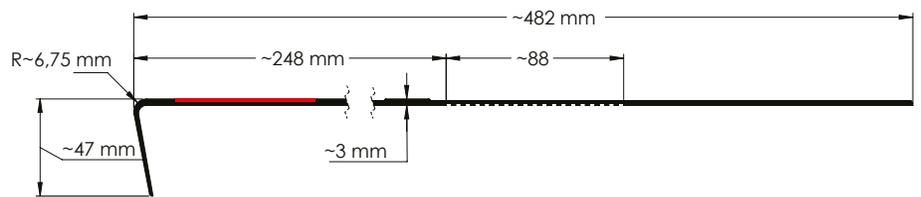
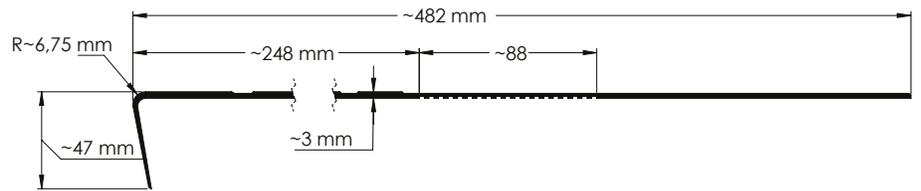
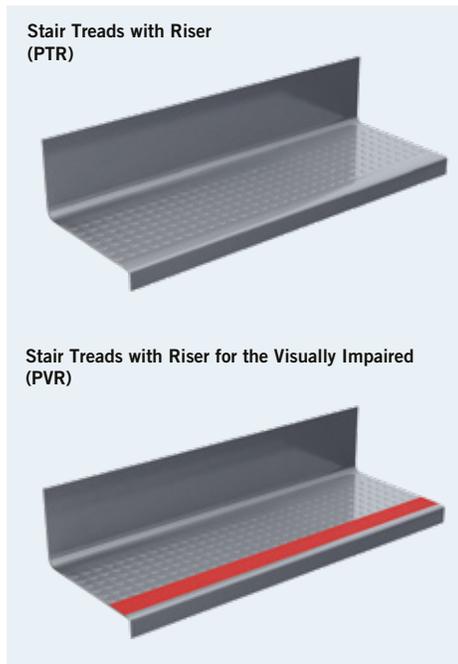
- > A maximum Flame-Spread Rating of ≤ 25
- > And a Maximum Smoke Developed Classification of ≤ 50 for the following areas:
 - Flooring for exit stairways
 - Vestibules to exit stairs & lobbies
 - Service spaces & service rooms

Be on the safe side, specify ABDEFENDER, a high fire-retardant flooring and stair tread system.

ABDEFENDER Stair Treads are available in 36", 48" and 72" widths

Comes standard with integrated risers with or without visually impaired strips

To ensure durability, American Biltrite stair filler should be used under the nosing of the stair treads during installation.



How to order stair treads:

1. Select product code from list below, e.g.: **PVR**
2. Select Color. e.g.: **PVR-33**
3. Select Length. e.g.: **PVR-33-36**
4. Select Carborundum strip color (for visually impaired) e.g.: **PVR-33-365** (use first digit of color code)

Product Codes:

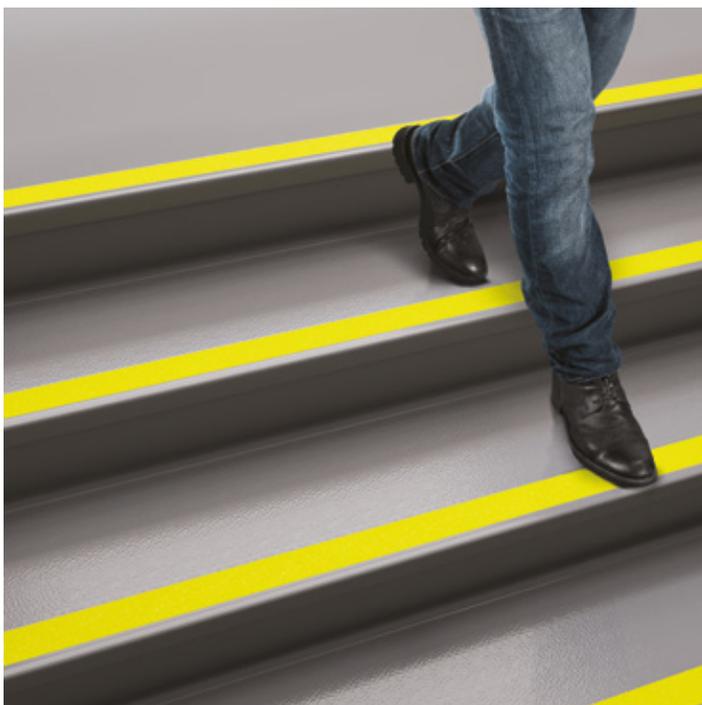
ABDEFENDER Round

PTR Stair Tread with Riser

PVR Stair Tread with Riser for Visually Impaired

Carborundum Strips

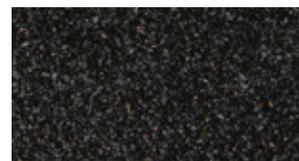
These strips can be added to your stair treads for added traction and as visual aids.



VIT-82
Nightglow



VIT-72
Yellow



VIT-22
Black



VIT-52
Red

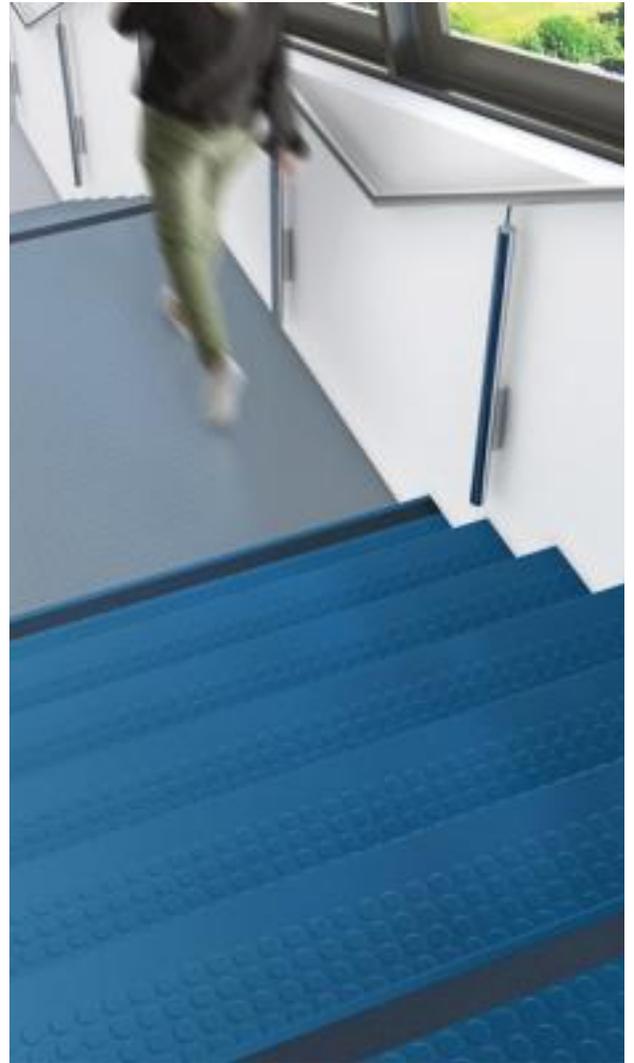


VIT-15
White

ABDEFENDER®

Flooring and Stair Treads that are built to last

- > American Biltrite rubber tiles and stair treads have been trusted by hospital systems, military colleges, schools, and airports for over 45 years
- > Very hard-wearing, made for high traffic areas
- > Provides slip resistance & comfort underfoot
- > Stair treads are available in a one-piece solution that includes the tread, the riser, and the nosing
- > Also available in hammered profile, regular style without riser and custom colors on special request with minimum order quantity
- > Made in North America
- > 10-year limited warranty
- > Red List Free and part of the Living Building Challenge® Declare® Program
- > For more information please visit:
<https://yorkshore.com/ab-defender/>



ABDEFENDER®, **ABPURE®** and **MARATHON®** rubber flooring products are Red List Free and part of the Living Building Challenge® Declare® Program.

What is Declare?

The program provides a clear and informative label for building products and supports the Living Building Challenge's Red List for material transparency and toxic chemical avoidance as well as simplifying material specification and project certification.

What is the Red List and what does it mean to be Red List Free?

The Red List represents the “worst in class” materials, chemicals, and elements known to pose serious risks to human health and the greater ecosystem. For a product to be awarded Red List Free status means that it does not contain any ingredients on the Living Building Challenge Red List.



To learn more about the Living Building Challenge, visit www.living-future.org/lbc.

Declare. 

ABDEFENDER® | RUBBER STAIR TREADS

TECHNICAL SPECIFICATIONS

TREADS & RISERS: One-Piece Round & One-Piece Round with Visually Impaired Safety Strip

Profiles	Round	
Gauge	3.17 mm	1/8"
Sizes	0.914 m 1.219 m 1.828 m	36" 48" 72"
Depth	482 mm	19"
Nosing Depth	47 mm ADA compliant	1-7/8" ADA compliant
Nosing Radius	6 mm ADA compliant	1/4" ADA compliant
Product Classification		
ASTM F2169	Standard Specification for Resilient Stair Treads	Type TS Rubber Vulcanized Thermoset – Class 2, Group 1 & 2 (Visually Impaired Safety Strip)
ASTM E84	Surface Burning Characteristics	Class A
ASTM E648	Critical Radiant Flux CRF (W/cm ²)	≥ 0.45
ASTM E662	Smoke Density	≤ 450
ASTM F925	Chemical Resistance	Meets requirements (details upon request)
ASTM F1514	Heat Stability	ΔE ≤ 8.0
CAN/ULC S102.2	Surface Burning Characteristics	FSV ≤ 25 and SDV ≤ 50
Indoor Air Quality (IAQ)		FloorScore® Certified by SCS Certification
Volatile Organic Compounds (VOC's)		Registration Number SCS-FS-01492
Adhesives:	AD-777, AD-590 & Zip-Step®	Regular traffic
Nosing compound:	NC-888	Regular traffic
Limited Wear Warranty	10 years	

Antimicrobial

IMPORTANT: All ABDEFENDER rubber flooring, through its composition and without the use of antimicrobial chemicals, does not promote microbial growth.

Please note that technical website documents prevail.

Custom colors and regular stair treads available on special request with minimum order quantity.

® ABDEFENDER and Zip-Step are registered trademarks of American Biltrite

Declare.



Samples available at:
material bank

ABDEFENDER® | RUBBER TILE FLOOR

TECHNICAL SPECIFICATIONS

Profiles	Round	
Gauge	3 mm	0.118"
Sizes	902 mm x 902 mm 450 mm x 450 mm Micro Ground™	35.500" x 35.500" 17.705" x 17.705" Micro Ground™
Product Classification:		
ASTM F1344	Rubber Tile Floor	Type 1, A or B (Homogeneous)
ASTM D2047	Static Coefficient of Friction (leather / Neolite)	≥ 0.5
ASTM D3389	Abrasion Resistance (H-18,500 g @ 1,000 cycles)	Pass
ASTM E84	Surface Burning Characteristics	Class A
ASTM E648	Critical Radiant Flux CRF (W/cm ²)	≥ 0.45
ASTM E662	Smoke Density	≤ 450
ASTM F925	Chemical Resistance	Meets requirements (details upon request)
ASTM F970	Static Load	≤ 0.005"
ASTM F1514	Heat Stability	ΔE ≤ 8.0
ASTM G21	Antimicrobial Resistance Test	Pass (28 days)
CAN/ULC S102.2	Surface Burning Characteristics	FSV ≤ 25 and SDV ≤ 50
Indoor Air Quality (IAQ):		FloorScore Certified by SCS Certification
Volatile Organic Compounds (VOC's)		Registration Number SCS-FS-01492
Adhesives:	AD-777	Regular traffic
	AD-590	Heavy rolling loads
Limited Wear Warranty	10 years	

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Declare.



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YORKSHORE SALES

1356 Bennett Drive Longwood, FL 32750 | yorkshore.com

Yorkshore@Yorkshore.com | 866-996-7563

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