



**AmericanBilrite**  
Flooring

# 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.



### ABDEFENDER 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.

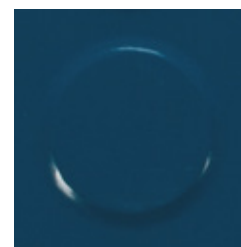
To order tiles use ADR code followed by color code and size. Example: ADR-33 in 18"x18"



**ADR-33** LRV 25.3  
Polished Pewter



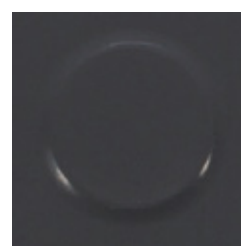
**ADR-24** LRV 10.3  
Battle Grey



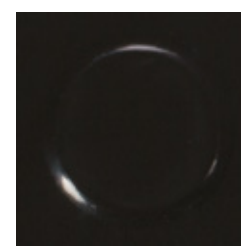
**ADR-91** LRV 6.7  
Night Sky



**ADR-38** LRV 21.3  
Warm Stone



**ADR-37** LRV 8.7  
Carriage Grey



**ADR-20** LRV 3.8  
Onyx Black

# ABDEFENDER®

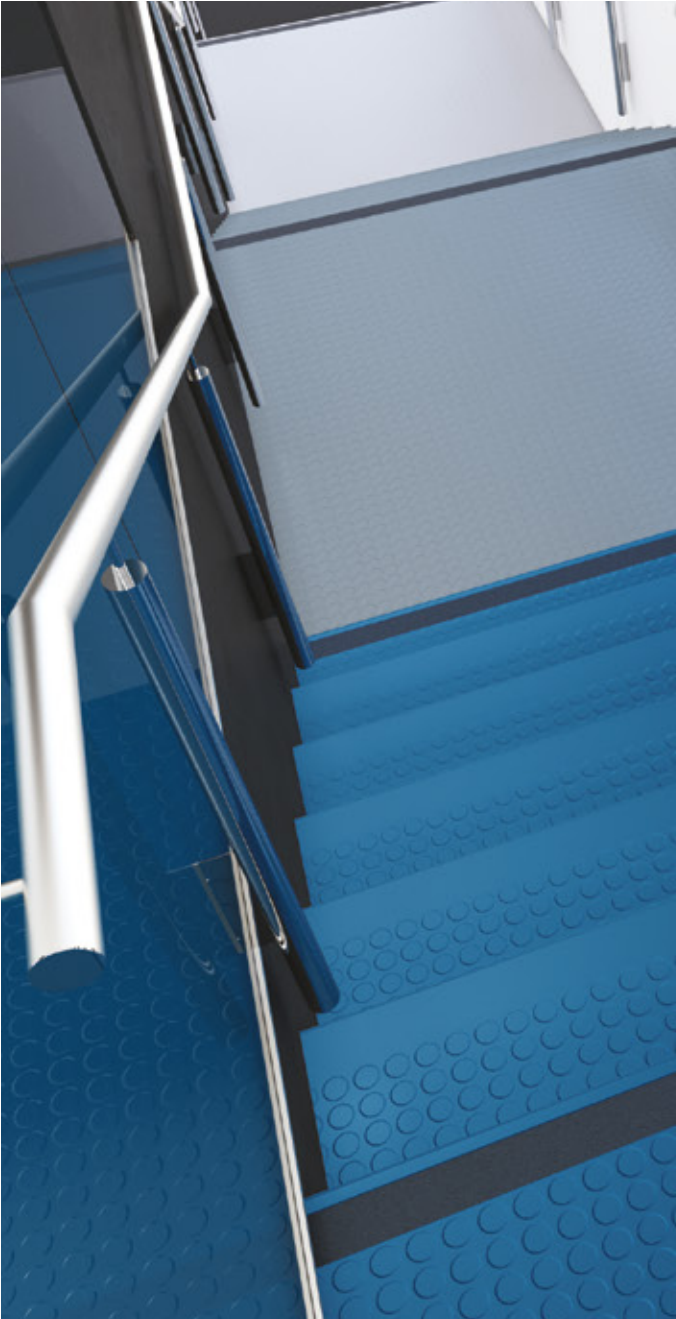
## Did you know?

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 ( $\leq 25$ ), and Smoke Developed ( $\leq 50$ ) 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:

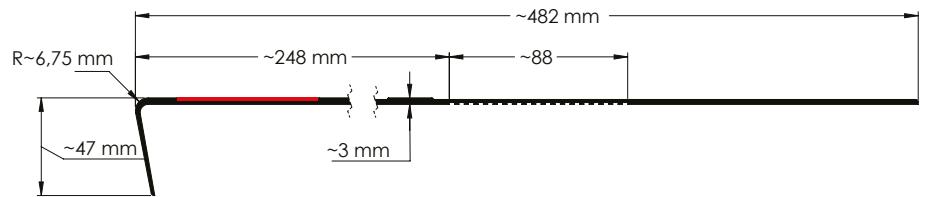
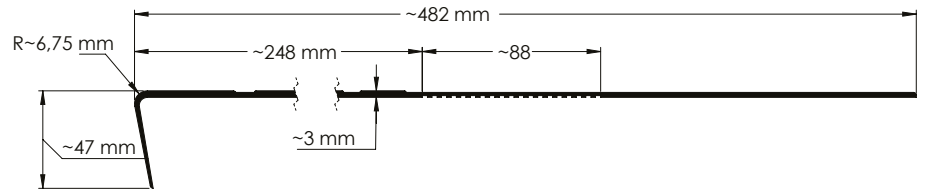
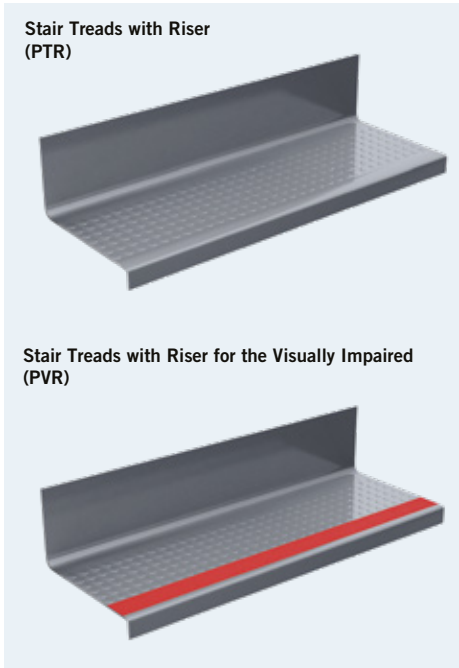
- > A maximum Flame-Spread Rating of  $\leq 25$
- > And a Maximum Smoke Developed Classification of  $\leq 50$  for the following areas:
  - Flooring for exit stairways
  - Vestibules to exit stairs & lobbies
  - Service spaces & service rooms

**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:

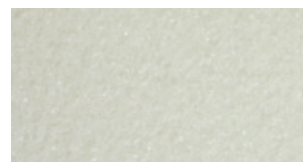
1. Select product code from list below, e.g.: **PVR**
2. Select Color. e.g.: **PVR-33**
3. Select Length. e.g.: **PVR-33-36**
4. Select Carborundum strip color (for visually impaired) e.g.: **PVR-33-365** (use first digit of color code)

### Product Codes:

- ABDEFENDER Round**
- PTR** Stair Tread with Riser
- PVR** Stair Tread with Riser for Visually Impaired

## Carborundum Strips

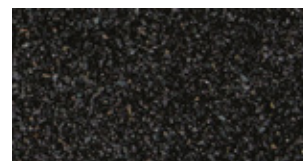
These strips can be added to your stair treads for added traction and as visual aids.



**VIT-82**  
Nightglow



**VIT-72**  
Yellow



**VIT-22**  
Black



**VIT-52**  
Red

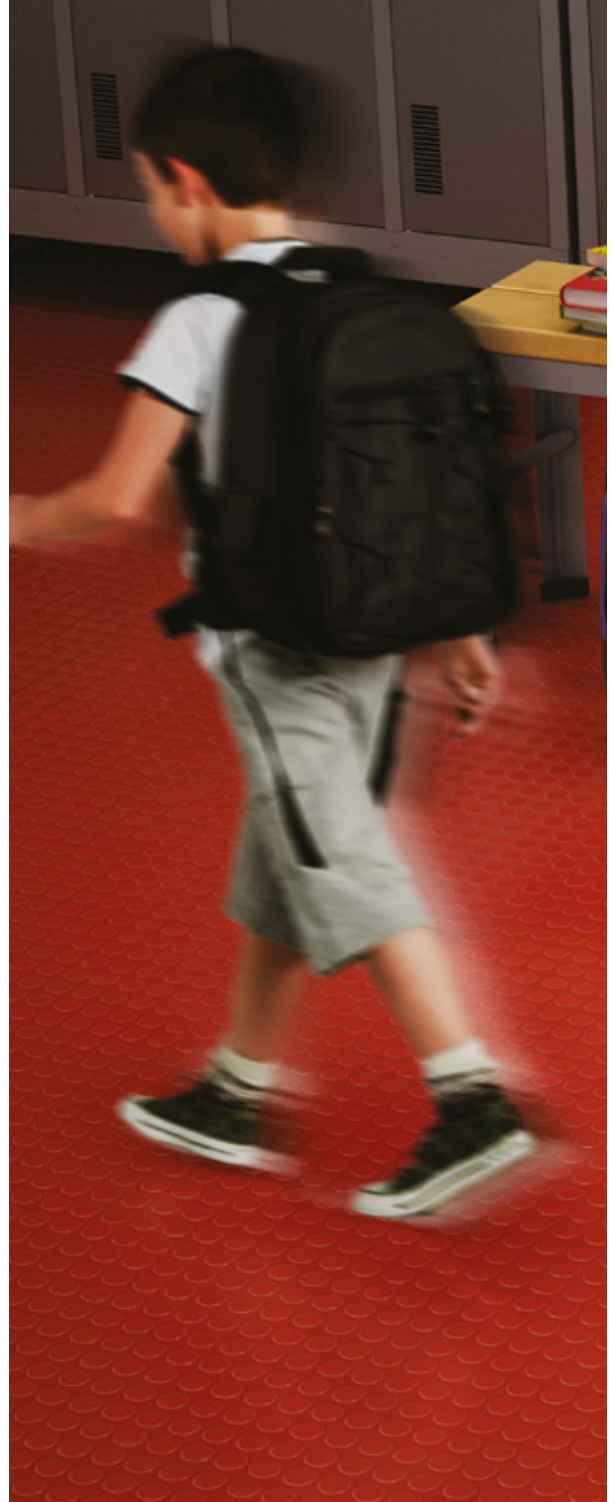


**VIT-15**  
White

# 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:  
[www.american-biltrite.com/flooring/products/rubber-flooring/abdefender](http://www.american-biltrite.com/flooring/products/rubber-flooring/abdefender)



**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](http://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
<b>Product Classification</b>		
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 <sup>2</sup> )	≥ 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

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

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American Biltrite, 200 Bank Street, Sherbrooke, Quebec, Canada J1H 4K3  
To order samples: flooring@american-biltrite.com | 1.800.437.8743 | Fax 1.800.810.5731 | Technical Services: 1.800.479.0190