

# ADHESIVES QUICK CHECK CHART

SUBFLOOR TYPE										
	*Suspended Concrete	*On Grade Concrete	*Below Grade Concrete	Suspended Plywood	^^^Metal Floors	^^Radiant Heated Floors (Concrete)	^Existing Resilient Flooring	**Existing Ceramic or Terrazzo Floors	Wafer, Flake, Chip, Particle or Similar Board	Existing Softwood or Hardwood Floors
<b>Marathon Rubber Tiles</b> - Lakeland Slate - Desert Stone - Natural Slate - Mosaic - Round	444 529SF 530SF	444 529SF 530SF	444 529SF 530SF	444 530SF	530SF	444 529SF 530SF	530SF	529SF 530SF	N/R	N/R
	<i>Note: PS-30 Adhesive for residential application only</i>									
<b>Rolled Rubber:</b> - Dura-MED - Oasis	444 530SF	444 530SF	444 530SF	444 530SF	530SF	444 530SF	530SF	530SF	N/R	N/R
	<i>Note: For specific areas of application such as in healthcare e.g. underneath patients beds, OR's, ER's use AD-530SF and consult your representative for details.</i>									
<b>DuraSport Rubber Tiles</b>	444 530SF	444 530SF	444 530SF	444 530SF	444 530SF	444 530SF	444 530SF	444 530SF	N/R	N/R
<b>Marathon Plus Tiles</b>	530SF	530SF	530SF	530SF	530SF	530SF	530SF	530SF	N/R	N/R
<b>Texas Granite</b>	444 530SF PS-30	444 530SF PS-30	444 530SF PS-30	444 530SF PS-30	530SF PS-30	444 530SF PS-30	530SF PS-30	530SF PS-30	N/R	N/R
<b>Mirra, Linaire, Luxury 500, &amp; Natura Tile</b>	530SF PS-30	530SF PS-30	530SF PS-30	530SF PS-30	530SF PS-30	530SF PS-30	PS-30	530SF PS-30	N/R	N/R
<b>NON-PVC:</b> - Stonescape - Viera	PS-30 AD-610	PS-30 AD-610	PS-30 AD-610	PS-30 AD-610	PS-30 AD-610	AD-610	PS-30	PS-30	N/R	N/R
	<i>If the Non-PVC flooring is to be installed over a porous surface in an area where heavy rolling loads are used such as: Pallet/Pump-Jacks, food conveyers and lift machinery or where ambient room temperatures will reach 32°C (90°F) AD-610 MUST be used.</i>									
<b>Colors Plus Tiles</b>	Use a good quality rubberized asphalt emulsion adhesive				530SF	Use a good quality rubberized asphalt emulsion adhesive		529SF 530SF	N/R	N/R
<b>Electrotile (CVT/SDT)</b>	333 555SF	555SF	555SF	333 555SF	555SF^^^	333 555F	555SF	555SF	N/R	N/R
<b>ACCESSORIES</b>	*Concrete Steps			Plywood Steps	Metal Steps		#Existing Softwood or Hardwood Steps	**Existing Ceramic or Terrazzo Steps	Wafer, Flake, Chip & Particle Board Steps	Existing Resilient Steps
<b>Marathon Classic Treads##, Risers</b>	444, 529SF, 530SF			444, 529SF, 530SF		530SF	529SF, 530SF	529SF, 530SF	N/R	N/R
<b>Marathon Plus Treads##</b>	444, 530SF			444, 530SF		530SF	530SF	530SF	N/R	N/R
<b>Wall Base &amp; Stringers</b>	Use a good quality Solvent Free Wall Base Adhesive									

N/R – not recommended

\* Ensure moisture tests have been conducted and moisture levels are acceptable according to manufacturer's recommendations and will not increase at a future date above recommended levels. For all grade installations (on, above or below), it is the flooring contractor's responsibility to ascertain that there is not too much moisture in the concrete and that the pH levels are correct. American Biltrite will not be responsible for hydrostatic pressure, which may occur in the future.

\*\* It is require that the glaze, polished finish, waxes and sealers on the existing floor be removed prior to installation Consult Technical Services for specific details 1-800-479-0190.

^ Whereas these adhesives and products can be used over existing resilient flooring, American Biltrite will not honor any claims relating to bond failure. It is American Biltrite's recommendation that the existing resilient flooring be removed.

^^ Rubber is a natural insulator and in radiant heat flooring will effectively create a heat barrier.

^^^ Floor is not to have flex / movement in it. Consult Technical Services for specific details 1-800-479-0190.

# All wax and polish residue must be removed prior to installation.

## AD-33 Nosing Compound MUST be used on all treads and nosings.

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ADHESIVES – APPROXIMATE COVERAGE			
PS-30	Pressure Sensitive Adhesive	Up to 23.2 sq m / 3.79 liter unit	Up to 250 sq ft / U.S. gallon
AD-33	Solvent Free Epoxy Stair Nosing Caulking	Up to 15.0 lin m – 6 mm bead	Up to 50 lin ft – ¼" bead
AD-333	Conductive Acrylic Adhesive	Up to 14.3 sq m / 3.79 liter unit	Up to 155 sq ft / U.S. gallon
AD-444	Acrylic Adhesive	Up to 14.86 sq m / 3.79 liter unit	Up to 160 sq ft / U.S. gallon
AD-529SF	Solvent Free Epoxy Adhesive	Up to 11.2 sq m / 3.79 liter unit	Up to 121 sq ft / U.S. gallon
AD-530SF	Solvent Free Polyurethane Adhesive	Up to 15.0 sq m / 3.79 liter unit	Up to 163 sq ft / U.S. gallon
AD-555SF	Conductive Reactive Adhesive	Up to 24.6 sq m / 3.79 liter unit	Up to 265 sq ft / U.S. gallon
AD-610	Acrylic Adhesive	Up to 23.2 sq m / 3.79 liter unit	Up to 250 sq ft / U.S. gallon
Loctite 50 ml (1.7 fl oz) cartridge	Cold welding system for: Oasis and Dura-MED Rolled Rubber	Up to 12.2 lin m / cartridge	Up to 40 lin ft / cartridge

RECOMMENDED MOISTURE & pH LEVELS FOR ADHESIVE ON ALL GRADES				
	ANHYDROUS CALCIUM CHLORIDE TEST ASTM F 1869	RELATIVE HUMIDITY TEST ASTM F 2170	pH Test ASTM F-710 5.3.1	
ADHESIVE	Moisture Vapor Emission Must Not Exceed Stated amount below (kg / 100 sq m / 24 hours) Stated amount below (lbs / 1,000 sq ft / 24 hours)	Relative Humidity Must Not Exceed Stated amount below (% / 100 sq m / 24 hours) Stated amount below (% / 1,000 sq ft / 24 hours)	Test Procedure 5.3.1	PRODUCTS
PS-30	0 – 2.26 kg (0 - 5.0 lbs)	R. H. 75%	8 -10	Applies to all: Marathon Rubber (sheet, tile & stair treads), Stonescape, Viera, Texas Granite, Electrotile, Mirra, Linaire, Luxury 500 & Natura Products.
AD-33	0 - 1.36 kg (0 - 3.0 lbs)	R. H. 75%	8 -10	
AD-333	0 - 1.36 kg (0 - 3.0 lbs)	R. H. 75%	8 -10	
AD-444	0 - 1.36 kg (0 - 3.0 lbs)	R. H. 75%	8 -10	
AD-529SF	0 - 1.36 kg (0 - 3.0 lbs)	R. H. 75%	8 -10	
AD-530SF	0 – 2.26 kg (0 – 5.0 lbs)	R. H. 85%	8 -10	
AD-555SF	0 - 1.36 kg (0 - 5.0 lbs)	R. H. 85%	8 -10	
AD-610	0 – 2.26 kg (0 - 5.0 lbs)	R. H. 75%	8 -10	Applies to Colors Plus Reinforced Composition Products
Good Quality Rubberized Asphalt Emulsion Adhesive	0 – 2.26 kg (0 – 5.0 lbs)	R. H. 85%	8 -10	

**IMPORTANT NOTICE: THE USE OF CHEMICAL ADHESIVE REMOVAL PRODUCT MUST NOT BE USED. THE USE OF SUCH ADHESIVE ABATEMENT SYSTEMS WILL VOID THE AMERICAN BILTRITE (CANADA) LTD. ADHESIVE SYSTEM WARRANTY.**

FOR SPECIFIC PREPARATION & INSTALLATION DETAILS REFER TO THE "INSTALLATION PROCEDURES" DOCUMENT.

**Note:**

For all grade installations (on, above or below), it is the flooring contractor's responsibility to ascertain that there is not too much moisture in the concrete and the pH levels are correct before applying any flooring. American Biltrite will not be responsible for hydrostatic pressure that may occur in the future.

Marathon, Lakeland Slate, Desert Stone, Marathon Mosaic, Round, Oasis, Dura-MED, DuraSport, Marathon Plus, Stonescape, Viera, Colors Plus, Texas Granite, Electrotile, Mirra, Luxury 500, Linaire and the AB brand of adhesive systems: PS-30, AD-33, AD-333, AD-444, AD-529SF, AD-530SF, AD-555SF and AD-610 are registered trademarks of American Biltrite (Canada) Ltd.