

## ADHESIVE QUICK CHECK CHART

TYPE OF SUBFLOOR							
	CONCRETE (1) (All grades)	CONCRETE (2)(3) (Chemically Treated)	CONCRETE (Radiant Heated)	PLYWOOD (Construction grade)	EXISTING RESILIENT FLOORING (4)	METAL, CERAMIC, TERRAZZO (5)	PARTICLE BOARD (6)
<b>AB PURE™ RUBBER MARATHON RUBBER Tiles and sheet</b>	AD-777 AD-535	Consult Remediation Systems document	AD-535	AD-777 AD-535	AD-535	AD-535	N/R
<b>MARATHON PLUS RUBBER Tiles</b>	AD-535	Consult Remediation Systems document	AD-535	AD-535	AD-535	AD-535	N/R
<b>TEXAS GRANITE</b>	AD-610 AD-535	Consult Remediation Systems document	AD-535	AD-610 AD-535	AD-535	AD-535	N/R
<b>LUXURY VINYL TILE Mirra, Luxury 500, Natura, Sonata</b>	PS-30 AD-610 AD-535	Consult Remediation Systems document	AD-535	PS-30 AD-610 AD-535	AD-535	AD-535	N/R
<b>STONESCAPE PVC/VOC-Free tile</b>	PS-30 AD-610	Consult Remediation Systems document	N/R	PS-30 AD-610	N/R	N/R	N/R
<b>ELECTROTILE CVT/SDT</b>	AD-555SF	Consult Remediation Systems document	AD-555SF	AD-555SF	AD-555SF	AD-555SF	N/R
<b>CITADEL ELEMENTS FORTRESS ELEMENTS</b>	Use a good quality rubberized asphalt emulsion adhesive.					AD-535	N/R
<b>ACCESSORIES</b>	<b>CONCRETE STEPS</b>			<b>PLYWOOD STEPS</b>	<b>EXISTING RESILIENT STEPS</b>	<b>METAL, CERAMIC, TERRAZZO</b>	<b>PARTICLE BOARD</b>
<b>Marathon Classic and AB PURE™ Treads, Risers, Stringers</b>	AD-777, AD-535			AD-777, AD-535	N/R	AD-535	N/R
<b>Marathon Plus Treads</b>	AD-535			AD-535	N/R	AD-535	N/R

TECCARE CAN BE USED ON ANY SUBFLOOR TYPE EXCEPT ON WAFER, FLAKE, CHIP, PARTICLE OR SIMILAR BOARDS. FLOOR IMPERFECTIONS MUST BE CORRECTED PRIOR TO INSTALLATION.

WHEN MORE THAN ONE ADHESIVE IS RECOMMENDED, REFER TO PRODUCT INSTALLATION INSTRUCTIONS FOR SELECTION, AS IT DEPENDS ON SITE CONDITIONS.

MOISTURE AND pH TESTS MUST BE CONDUCTED AS PER ASTM RECOMMENDATION, AND MUST COMPLY WITH SPECIFICATIONS LISTED IN PAGE 3.

- (1) MOISTURE MEMBRANE IN GOOD WORKING CONDITION MUST BE INSTALLED UNDER ON AND BELOW GRADE CONCRETE SLABS; AMERICAN BILTRITE IS NOT RESPONSIBLE FOR HYDROSTATIC PRESSURE THAT MAY OCCUR IN THE FUTURE.
- (2) CONCRETE SLABS WITH TOPICAL OR ADD-IN ADDITIVES, SUCH AS BUT NOT LIMITED TO, CURING AGENTS, SURFACE HARDENER, SEALERS, COATING MUST BE REMEDIATED BEFORE INSTALLATION.
- (3) REMEDIATION SYSTEMS DOCUMENT CAN BE FOUND ON AMERICAN BILTRITE WEBSITE.
- (4) ALTHOUGH OUR PRODUCTS AND ADHESIVES CAN BE USED OVER EXISTING RESILIENT FLOORING, AMERICAN BILTRITE RECOMMENDS THAT EXISTING FLOORING BE REMOVED; AB WILL NOT HONOR ANY CLAIMS RELATING TO BOND FAILURE.
- (5) GLAZINGS, FINISHES, WAXES AND SEALERS MUST BE REMOVED AND SURFACE ROUGHENED PRIOR TO INSTALLATION.
- (6) NOT RECOMMENDED (N/R) ON SUBFLOORS SUCH AS, BUT NOT LIMITED TO, WAFER, FLAKE, CHIP, PARTICLE OR SIMILAR BOARDS; SOFT WOOD, PLYWOOD OTHER THAN CONSTRUCTION GRADE.

## ADHESIVE QUICK CHECK CHART

ADHESIVES		TROWEL SPECIFICATION (1)	APPROXIMATE COVERAGE (2)
PS-30	Acrylic Pressure-Sensitive Adhesive	0.8 mm x 1.6 mm x 0.8 mm (1/32 x 1/16 x 1/32) U-notched trowel	Up to 23.2 sq. m / 3.79 liter unit (up to 250 sq. ft. / U.S. gallon)
AD-777	Acrylic PSA/Wet-Set adhesive	0.8 mm x 1.6 mm x 0.8 mm (1/32 x 1/16 x 1/32) U-notched trowel	Up to 22.74 sq. m / 3.79 liter unit (up to 245 sq. ft. / U.S. gallon)
AD-610	Acrylic Wet-Set Adhesive	0.8 mm x 1.6 mm x 0.8 mm (1/32 x 1/16 x 1/32) U-notched trowel	Up to 18.6 sq. m / 3.79 liter unit (up to 200 sq. ft. / U.S. gallon)
AD-535	Solvent-Free Epoxy Adhesive	0.8 mm x 1.6 mm x 0.8 mm (1/32 x 1/16 x 1/32) U-notched trowel	Up to 18.6 sq. m / 3.79 liter unit (up to 200 sq. ft. / U.S. gallon)
AD-555SF	Conductive Reactive Adhesive	0.8 mm x 1.6 mm x 0.8 mm (1/32 x 1/16 x 1/32) U-notched trowel	Up to 25.0 sq. m / 3.79 liter unit (up to 265 sq. ft. / U.S. gallon)
AD-33	Solvent-Free Epoxy Stair Nosing Caulking	For concrete, wood or metal	Up to 15.0 lin. m / 6 mm bead (up to 50 lin. ft. / ¼" bead)
Durabond	Cold welding system for rolled rubber	50 ml (1.7 fl oz) cartridge	Up to 12.2 lin. m / cartridge (up to 40 lin. ft. / cartridge)

**(1) TROWEL SPECIFICATION CODE: DEPTH / WIDTH / SPACING.**

**(2) THIS IS AN ESTIMATE ONLY; ACTUAL COVERAGE DEPENDS ON CONCRETE POROSITY, TROWEL CONDITION AND SITE TEMPERATURE.**

## ADHESIVE QUICK CHECK CHART

MOISTURE & pH LEVEL SPECIFICATIONS FOR ADHESIVES ON ALL GRADES			
	ANHYDROUS CALCIUM CHLORIDE TEST ASTM F 1869	RELATIVE HUMIDITY TEST ASTM F 2170	pH TEST ASTM F 710 5.3.1
ADHESIVES	Moisture vapor emission must not exceed stated amount below in kg / 100 sq. m / 24 hours (lbs / 1,000 sq. ft. / 24 hours)	Relative Humidity (RH) must not exceed Amount listed below (%)	Test Procedure 5.3.1
PS-30	0 – 2.26 kg (0 - 5.0 lbs)	80%	8 -10
AD-33	0 - 1.36 kg (0 - 3.0 lbs)	80%	8 -10
AD-777	0 – 2.26 kg (0 - 5.0 lbs)	80%	8 -10
AD-535	0 – 2.26 kg (0 - 5.0 lbs)	85%	8 -10
AD-555SF	0 – 2.26 kg (0 - 5.0 lbs)	80%	8 -10
AD-610	0 – 2.26 kg (0 - 5.0 lbs)	80%	8 -10
Good quality rubberized asphalt emulsion adhesive	0 – 2.26 kg (0 - 5.0 lbs)	75%	8 -10

- REFER TO THE LATEST VERSION OF THE ASTM SPECIFICATIONS FOR SPECIFIC TESTING PROCEDURE.
- pH TEST AND BOTH MOISTURE TESTS MUST BE PERFORMED AND RESULTS WITHIN SPECIFICATIONS BEFORE INSTALLATION.
- IT IS THE FLOORING CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT MOISTURE AND pH LEVELS IN THE CONCRETE COMPLY WITH SPECIFICATIONS.
- FREQUENCY OF TESTS IS 3 TESTS FOR THE FIRST 1,000 SQ. FT. AND ONE TEST PER ADDITIONAL 1,000 SQ. FT.
- FOR **TECCARE**, MOISTURE AND pH TESTS HAVE TO BE PERFORMED WHEN IN CONTACT WITH A CONCRETE BASED SUBFLOOR AND MEET INSTALLATION INSTRUCTIONS SPECIFICATIONS.
- REFER TO THE "FLOOR PREPARATION INSTRUCTIONS" AND "INSTALLATION INSTRUCTIONS" DOCUMENTS FOR SPECIFIC PREPARATION & INSTALLATION DETAILS.
- AMERICAN BILTRITE WILL NOT BE HELD RESPONSIBLE FOR HYDROSTATIC PRESSURE THAT MAY OCCUR IN THE FUTURE.
- **IMPORTANT NOTICE:** DO NOT USE CHEMICAL ADHESIVE REMOVAL PRODUCTS (CHEMICAL ABATEMENT PRODUCTS). THEIR USE WILL VOID AMERICAN BILTRITE'S ADHESIVE SYSTEM WARRANTY UNLESS THE PROPER REMEDIATION SYSTEM IS USED PRIOR TO INSTALLATION.
- TO TAKE CARE OF HIGH MOISTURE OR A CHEMICAL ABATEMENT SITUATION REFER TO THE REMEDIATION SYSTEMS DOCUMENT.

Marathon Lakeland Slate, Desert Stone, Natural Slate, Round, Marathon Accessories, Oasis, AB PURE™, TecCare, Marathon Plus, Stonescape, Citadel Elements, Fortress Elements, Texas Granite, Electrolite, Mirra, Natura, Luxury 500 and the AB brand of adhesive systems: PS-30, AD-33, AD-333, AD-535, AD-555SF, AD-610 and AD-777, are registered trademarks of American Biltrite.



## ADHESIVE QUICK CHECK CHART

### Use of Adhesives and Remediation Membranes

American Biltrite's position regarding the use of adhesives and remediation membranes for its flooring products is fairly simple. In order to achieve the highest performance of our flooring products, extensive research was done on the performance of the products prior to making these available to the market.

We also ran extensive tests, including pilot floor testing, climate change exposition and heavy rolling load to ensure that we minimize any problematic situation that would result from our recommendations.

For these reasons, we will support our flooring products and the adhesives we have listed on our Quick Check Chart for the applications they are intended for.

You can also refer to our document titled "Remediation Systems for All American Biltrite Flooring Products" found on our website.

All other adhesives and remediation membranes are the responsibility of the user.

We will not recognize any claim attributed to an adhesive failure if our recommendations are not followed either for the type of adhesive or the intended application.

Please note that technical web site documents prevail.

