

ADHESIVE QUICK CHECK CHART

TYPE OF SUBFLOOR						
	CONCRETE (1) (All grades)	CONCRETE (2)(3) (Chemically Treated)	CONCRETE (Radiant Heated)	PLYWOOD (Construction grade)	METAL, CERAMIC, TERRAZZO (4)	EXISTING RESILIENT, PARTICLE BOARD and OTHERS (5,6)
ABPURE® with Nfuse® technology Marathon® and ABDefender® Tiles and Sheet	AD-777 AD-590 EZ-Tack*	Consult Remediation Systems document	AD-590	AD-777 AD-590	AD-590	N/R
Marathon® Plus Tiles	AD-590	Consult Remediation Systems document	AD-590	AD-590	AD-590	N/R
Texas Granite®	AD-610 AD-590	Consult Remediation Systems document	AD-590	AD-610 AD-590	AD-590	N/R
Mirra®, Natura™, Sonata®, Sonata® Elements & Leaf™	PS-30 AD-610	Consult Remediation Systems document	AD-610	PS-30 AD-610	AD-610**	N/R
UltraCeramic®/™ Contract	AD-610 AD-590	Consult Remediation Systems document	AD-590	AD-610 AD-590	AD-590	N/R
Electrotile® CVT/SDT	AD-390C AD-333SF	Consult Remediation Systems document	AD-390C	AD-390C AD-333SF	AD-390C	N/R
ACCESSORIES	CONCRETE STEPS			PLYWOOD STEPS	METAL, CERAMIC, TERRAZZO STEPS	EXISTING RESILIENT, PARTICLE BOARD and OTHERS
Marathon®, ABPURE®, ABDefender® Stair Treads	AD-777, AD-590, Zip-Step®/™			AD-777, AD-590, Zip-Step®/™	AD-590, Zip-Step®/™	N/R
Marathon® Plus Stair Treads	AD-590, Zip-Step®/™			AD-590, Zip-Step®/™		N/R
Stair Treads: Nosing Caulking	NC-888 (for concrete, wood and steel staircases)					N/R

*Rubber sheet products only. Refer to rubber sheet product installation instructions.

**Not recommended on metal surfaces. Contact American Biltrite technical services if this situation occurs.

Moisture and pH tests must be conducted as per ASTM recommendations and must comply with specifications listed in page 3.

- (1) Porous and non-porous
- (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) Glazing, finishes, waxes and sealers must be removed and surface roughened prior to installation.
- (5) American Biltrite recommends that existing flooring be removed. American Biltrite will not honor any claims related to bond failure over other resilient flooring products.
- (6) Not recommended (n/r) on subfloors such as, but not limited to, wafer, flake, chip, Luan, particle or similar boards; soft wood, plywood other than construction grade.

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ADHESIVES		USAGE	TROWEL SPECIFICATION (1) POROUS AND NON-POROUS	APPROXIMATE COVERAGE (2)	PROTECTION
PS-30	Acrylic Pressure-Sensitive Adhesive	General Purpose, Light to heavy foot traffic	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 (up to 250 sq. ft. / U.S. gallon)	0-24 hrs : No traffic 24-72 hrs : Light traffic +72 hrs: Heavy traffic, Initial maintenance
AD-777	Acrylic Adhesive	General Purpose, Light to heavy foot traffic	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 (up to 245 sq. ft. / U.S. gallon)	0-24 hrs : No traffic 24-72 hrs : Light traffic +72 hrs: Heavy traffic, Initial maintenance
AD-610	Wet Set Acrylic Adhesive	General Purpose, Environment where the temperature is not fully controlled (LVT); Light to heavy foot traffic	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 (up to 200 sq. ft. / U.S. gallon)	0-24 hrs : No traffic 24-72 hrs : Light traffic +72 hrs: Heavy traffic, Initial maintenance
AD-590	Solvent-Free Two-part Epoxy Adhesive	Specialty, Heavy foot traffic & rolling loads, Radiant Heated Subfloors	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 (up to 200 sq. ft. / U.S. gallon)	0-6 hrs : No traffic 6-24 hrs : Light traffic +24 hrs: Heavy traffic, Rolling loads, Initial maintenance
AD-333SF	Conductive Acrylic Adhesive	ESD Resilient Floors Light to heavy foot traffic	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 (up to 200 sq. ft. / U.S. gallon)	0-24 hrs : No traffic 24-72 hrs : Light traffic +72 hrs: Heavy traffic, Initial maintenance
AD-390C	Conductive Two-part Epoxy Adhesive	ESD Resilient Floors Heavy foot traffic & rolling loads	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 (up to 200 sq. ft. / U.S. gallon)	0-12 hrs : No traffic 12-24 hrs : Light traffic +24 hrs: Heavy traffic, Rolling loads, Initial maintenance
EZ-Tack	Pre-applied Adhesive on Rubber Flooring	Rubber Sheet Flooring only Immediate Occupancy Moisture remediation Heavy foot traffic	Primer required: ES-P, general purpose (1 coat) Applicator: 10 mm (3/8") nap roller ES-MBP, moisture barrier (2 coats) Applicator: 6 mm (1/4") nap roller	Coverage of Primer: ES-P (1 coat) = 55 sq. m / 3.8 liter (600 sq. ft. / U.S. gallon) ES-MBP (2 coats) = 110-140 sq. m/9.5 liter (1200-1500 sq. ft. / 2.5 U.S. gallon)	Occupancy Ready
Zip-Step®/™	Acrylic dry contact tape adhesive	Stair Treads	One kit contains: 1" (25 mm) wide tape X 164 lin. ft. (50 m) roll for nosing 9.5" (240 mm) wide tape X 164 lin. ft. (50 m) roll for tread and riser	Up to 41 treads (4 ft. wide) (122 cm) or Up to 27 treads (6 ft. wide) (183 cm)	0-2 hrs : No traffic +2 hrs : Traffic allowed (NC-888 has to be used with Zip-Step tape)
NC-888	Solvent-Free Epoxy Caulking	Stair Nosing	For concrete, wood or steel	Up to 9 lin. m / 10 mm bead (up to 30 lin. ft. / 3/8" bead)	Follow directives from the adhesive used on tread (2 hrs is the time allowed for NC-888 to cure)
Loctite U-09FL	Chemical welding system	Rubber Sheet Seam Welding	50 ml (1.7 fl oz) cartridge	Up to 12.2 lin. m / cartridge (up to 40 lin. ft. / cartridge)	Follow directives from the adhesive used for the sheet flooring

Rubber flash cove: Use either AD-777 or AD-590; the application is done with a 10 mm (3/8") nap roller.

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

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

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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 – 3.63 kg (0 - 8.0 lb)	85%	8 - 11
AD-777	0 – 3.63 kg (0 - 8.0 lb)	85%	8 - 11
AD-610	0 – 3.63 kg (0 - 8.0 lb)	85%	8 - 11
AD-590	0 – 4.54 kg (0 - 10.0 lb)	90%	8 - 11
AD-333SF	0 – 3.63 kg (0 - 8.0 lb)	85%	8 - 11
AD-390C	0 – 3.63 kg (0 - 8.0 lb)	90%	7 - 11
EZ-Tack with one coat of ES-P Primer	0 – 4.54 kg (0 - 10.0 lb)	95%	8 - 12
EZ-Tack with two coats of ES-MBP Primer	0 – 11.34 kg (0 - 25.0 lb)	100%	8 - 12
Zip-Step ^{®/TM}	N/A	N/A	N/A
NC-888	N/A	N/A	N/A

- Refer to the latest version of the ASTM specifications for specific testing procedure.
- It is the flooring contractor's responsibility to ensure that moisture and pH tests are performed and are within specification before installation.
- 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 resolve a high moisture or a chemical abatement situation refer to the remediation system documentation.
- Refer to the "Floor Preparation", "Installation Instructions", "Adhesive Technical Data Sheet" and "Maintenance Instruction" documents for specific preparation, installation, and maintenance details.

ABPURE[®], Nfuse[®], Marathon[®] (Lakeland Slate[®], Desert Stone[®], Natural Slate, Round, Oasis[®]), Marathon[®] Plus, Texas Granite[®], Leaf[™], Mirra[®], Natura[™], Sonata[®], Sonata[®] Elements, Electrotile[®], TecCare[®], UltraCeramic^{®/TM} Contract, PS-30, NC-888, AD-333SF, AD-590, AD-390C, AD-610, AD-777, Zip-Step^{®/TM} and EZ-Tack are 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 Flooring contractor.

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.

