

Medium Bed and Chemical Resistant Mortars

PHYSICAL PROPERTIES	Marble & Granite	Medium Bed	100% Solids Epoxy Mortar
Applicable ANSI Standards	A118.4/118.11	A118.4	A118.3
Systems Warranty	15 Year	5 Year	Lifetime
Shear Bond Strength @ 28 days:			
Bisque Tile	450 psi	350 psi	1000 psi
Porcelain Tile	300 psi	250 psi	1000 psi
Quarry Tile to Plywood	160 psi	N/A	N/A
Compressive Strength @ 28 days	3200 psi	3200 psi	6500 psi
Pot Life @ 72° F (22° C)	4 hrs	2 hrs	1 hr
Open Time @ 72° F (22° C)	60 min	60 min	15 min
Initial Set @ 72° F (22° C)	6 hrs	6 hrs	4 hrs
Final Set @ 72° F (22° C)	9 hrs	9 hrs	8 hrs
Approx. Coverage Range			
1/2" x 1/2" x 1/2" square-notch trowel	45 - 50 sq ft/	45 - 50 sq ft/	25 - 35 sq ft/
1/4" x 1/4" x 1/4" square-notch trowel*	50 lb bag	50 lb bag	unit*
Color(s)	White	White & Gray	Off-White

Ceramic Tile Adhesives

PHYSICAL PROPERTIES	OmniGrip	ReliaBond	ReliaBond ES
Applicable ANSI Standards	A136.1 Type I	A136.1 Type I	A136.1 Type I
Systems Warranty	15 Year	1 Year	1 Year
Adjustment Time	60+ min	45 min	60 min
Open Time	60+ min	60 min	60 min
Shear Bond Strength:			
Type 1 Water Immersion	145 psi	65 psi	65 psi
Dry Shear @ 28 days	760 psi	430 psi	430 psi
Freeze/Thaw	Stable	Stable	Stable
Stain Test	Passes	Passes	Passes
Impact Test	Passes	Passes	Passes
Heat Resistance	Passes	Passes	Passes
3.5 gal. Pail Weight	31 lbs	46 lbs	46 lbs
Approx. Coverage Range	40-60 sq ft/gal	40-60 sq ft/gal	40-60 sq ft/gal
1/4" x 3/16" V-notch trowel			

Grouts

PHYSICAL PROPERTIES	P11am Grout	Polyblend Sanded Grout	Polyblend Non-Sanded Grout	100% Solids Epoxy Grout
Applicable ANSI Standard	A118.7	A118.6	A118.6	A118.3
Systems Warranty	Up to Lifetime	Up to Lifetime	Up to Lifetime	Up to Lifetime
Linear Shrinkage:				
7 day cure	<0.2%	0.08%	0.10%	0.05%
Water Absorption:				
After immersion	<5%	8%	16%	N/A
After drying	<7%	10%	19%	N/A
Compressive Strength:				
7 day cure	>3000 psi	4653 psi	3299 psi	7060 psi
Tensile Strength:				
7 day cure	>400 psi	345 psi	313 psi	2050 psi
28 day cure	>500 psi	423 psi	526 psi	N/A
Flexural Strength (7 days)	>1000 psi	992 psi	793 psi	N/A
Pot Life	60 - 90 min	1 - 2 hrs	1 - 2 hrs	60 min
Initial Set	2 hrs	4 hrs	5 hrs	9 hrs
Final Set	2 hrs	5 hrs	6 hrs	24 hrs
Colors	18	48	48	48

100% Solids Epoxy Grout Chemical Resistance

CHEMICAL NAME	% Concentration	Resistance	CHEMICAL NAME	% Concentration	Resistance
Acids			Solvents		
Acetic Acid	10	C	Acetone	100	S
Citric Acid	10	C	Ethylene Glycol	100	C
Hydrochloric Acid	10	C	Methylene Chloride	100	S
Lactic Acid	10	I	Mineral Spirits	100	C
Oleic Acid	100	S	Toluene	100	S
Tannic Acid	10	C	Household Acids		
Base and Salt Solutions			Coffee	100	C
Ammonia Solution	25	C	Cooking Grease	100	I
Caustic Soda	50	C	Heavy Duty Cleaners	100	C
Hypochlorite Solution	3	C	Household Ammonia	100	C
Oils and Combustible Products			Lemon Juice	100	C
Diesel Fuel	100	C	Pet Urine	100	C
Gasoline	100	C	Pool Acid	100	C
Vegetable Oil	100	C	Wine	100	C

C Continuous exposure I Intermittent exposure S Splash – minor spill that is wiped up quickly