

Product Specifications



Product	Stonclad UTS	Stonclad UT	Stonlux SL	Stonecarpet	Stonblend GSI	Stonblend GS
Description	Nominal 1 / 4 " (6mm) > self-priming, textured, four-component, polyurethane mortar system consisting of a urethane-urea binder, pigments, powders and quartz aggregates > high performance, chemically resistant urethane sealer	Nominal 1 / 4 " (6mm) > dense, liquid rich, self priming, textured, four-component, notch trowel applied polyurethane mortar system consisting of a urethane-urea binder, pigments, powders and quartz aggregates > high performance, chemical resistant urethane sealer	Nominal 80 mils (2mm) or 120 mils (3mm) > penetrating, void filling, three-component epoxy primer > three-component liquid rich, free flowing (self leveling) epoxy system consisting of resin, curing agent (reactive flow enhancers and finely graded course aggregates.	Nominal 80 mils (2mm) > penetrating, two-component, moisture tolerant epoxy primer > two-component, free flowing epoxy undercoat formulation consisting of resin and curing agent > brightly coloured, quartz broadcast aggregate > two-component, high performance, UV resistant, clear epoxy sealer	Nominal 3/16" (5mm) > penetrating, two-component UV resistant epoxy primer > three-component, troweled mortar base consisting of epoxy resin, curing agent and graded coloured quartz silica aggregates > two-component clear, UV resistant epoxy groutcoat > two component, non-reflective, waterborne aliphatic polyurethane coating	Nominal 3/16" (5mm) > penetrating, two-component epoxy primer > high-performance three-component, troweled epoxy mortar base consisting of epoxy resin, amine curing agent and selected, graded aggregates blended with inorganic pigments
Physical Characteristics						
Comprehensive Strength	7,700 psi	7,700 psi	7,800 psi (ASTM D-695)	9,000 psi	6,000 psi	10,000 psi
Tensile Strength (ASTM C-C-307)	1,000 psi	1,000 psi	1,900 psi (ASTM D-638)	1,600 psi	1,500 psi	1,750 psi
Flexural Strength (ASTM C-C-580)	2,400 psi	2,400 psi	3,860 psi (ASTM D-790)	4,000 psi	2,200 psi	4,000 psi
Flexural Modulus of Elasticity (ASTM C-C-580)	2.6 x 10 ⁶ psi	2.6 x 10 ⁶ psi	5.2 x 10 ⁵ psi (ASTM D-790)	1.0 x 10 ⁶ psi	5.0 x 10 ⁶ psi	2.0 x 10 ⁶ psi
Hardness (ASTM D-2240, Shore D)	80-84	80-84	80-85	85-90	85-90	85-90
Bond Strength (ASTM D-4541)	> 400 psi (100% concrete failure)	> 400 psi (100% concrete failure)	> 400 psi (100% concrete failure)	> 400 psi (100% concrete failure)	> 400 psi (100% concrete failure)	4,000 psi (100% concrete failure)
Impact Resistance (ASTM D-4226)	>160 in./lbs	>160 in./lbs	>160 in./lbs	>160 in./lbs	>160 in./lbs	>160 in./lbs
Abrasion Resistance (ASTM D-4060, CS-17 wheel)	0.05 gm max. weight loss*	0.05 gm max. weight loss*	0.10 gm max. weight loss	0.06 gm v max. weight loss	0.06 gm v max. weight loss	0.10 gm max. weight loss*
Coefficient of Friction (ASTM D-2047)	Dependent upon texture selection	0.6*	0.5	Dependent upon texture selection	0.6	0.75*

Flammability (ASTM D-635)	Self extinguishing	Self extinguishing	Self extinguishing	Class 1 (ASTM E-648)	Self extinguishing	Class 1 (ASTM E-648)
Thermal Coefficient of Linear Expansion (ASTM C-531)	1.1 x 10 ⁵ in./in.°C	5.0 x 10 ⁵ in./in.° C	5.3 x 10 ⁵ in./in.° C	1.8 x 10 ⁵ in./in.°C	1.8 x 10 ⁵ in./in.°C	1.5 x 10 ⁵ in./in.°C
Water Absorption (ASTM C-413)	0,056%	0,056%	0.2%	0.2%	0.2%	0.2%
Heat Resistant Limitation	200°F/93°C (continuous exposure) 250°F/121°C (intermittent spills)	200°F/93°C (continuous exposure) 250°F/121°C (intermittent spills)	200°F/93°C (continuous exposure) 250°F/121°C (intermittent spills)	140°F/60°C (continuous exposure) 250°F/93°C (intermittent spills)	140°F/60°C (continuous exposure) 200°F/93°C (intermittent spills)	140°F/60°C (continuous exposure) 200°F/93°C (intermittent spills)
Cure Rate (at 77°F/25°C)	24 hours for normal operations	24 hours for normal operations	48-72 hours for normal operations	24 hours for normal operations	24 hours for normal operations	24 hours for normal operations
Static Control Properties						
Surface Resistance (NFPA 99, ESD-S7.1)	N/A	N/A	N/A	N/A	N/A	N/A
Body Voltage Generation (ESD STM97.2)	N/A	N/A	N/A	N/A	N/A	N/A
Spark Generation (NFGS-09965)	N/A	N/A	N/A	N/A	N/A	N/A

* Test samples finished with one coat of high solids epoxy coating