

TD.432 – TECHNICAL DATA: THIN-FINISH™ Pre-Mixed Overlay

Revised: 10/8/21 Version: 1.3

Product Class: Dry, redispersible, polymer modified, cement based mortar

Use Applications:

- For resurfacing of concrete substrates and thin surface repairs less than ¼" / 6mm.
- For creating splatter texture/knockdown applications, base/skim coats, broom finishes, seamless interior flooring, stenciled cement and more.
- For creating repair and patching mixes for concrete surfaces.

Key Features:

- Better overall performance than most other resins, modifiers and polymers, including: acrylic, polyvinyl acetate, VAE, styrene, and silicone.
- Provides a permanent bond with correct substrate preparation on stable above grade concrete surfaces.
- High levels of moisture resistance and flexural/tensile strengths.
- Increased texturing capabilities with unlimited finish options.
- Exceptionally long pot life.
- Increase versatility and application range.
- Can be integrally colored with PORTION CONTROL COLORANT™ (PCC) or SYNTHETIC PRIMARY PIGMENT™ (SYPP).
- Can be stained/colored topically with ULTRA-STONE™ Antiquing Stain, CHEM-STONE™ Reactive Stain or HYDRA-STONE™ Dye Stain.
- Resistant to moisture deterioration and weather, including UV degradation, and freeze-thaw cycles.

Physical Properties

@77° F / 24° C

Appearance		White fine powder
Weight (lbs.) per stock container		55 lbs.
Compressive strength	ASTM D695	
1-day		1350 psi
7 days		3750 psi
28 days		4800 psi
Tensile strength	ASTM D638	
7 days		350 psi
28 days		750 psi
Flexural strength	ASTM D790	
7 days		990 psi
28 days		1450 psi
Abrasion loss		
28 days		0.17%
Density		
7 days		1.17 g/cm3
28 days		1.89 g/cm3
Shear bond		
7 days		335 psi
28 days		575 psi
Cohesive		
7 days		52 psi
28 days		98 psi
Impact Resistance		
7 days		16 in/lbs.
28 days		28 in/lbs.
Slant shear	ASTM C882	100% concrete failure
Reaction to fire	EN 13501-1:2018	B _{FL} – s1
Application temperature		40° F / 4° C to 100° F / 38° C
Cure @ 70° F / 21° C		
70%		7 days
100%		28 days

Suggested Storage:

- Store in a temperature and weather-controlled area between 65° F / 18° C and 85° F / 29° C.
- Do not allow to freeze.
- Shelf Life: 1 year in original unopened containers.

