CONSTRUCTION CHEMICALS SELECTION GUIDE

TENON®

TCC MATERIALS

ADVANTAGES/USES	FAST-SET LIQUID ACTIVATOR	AIR ENTRAINMENT	SET ACCELERATOR	MIGHTY BOND	RESTORATION CLEANER	LEVEL-FLO PRIMER PRO	CONCRETE & MASONRY DISSOLVER
							
	• Use with Tenon Air-Entrained Concrete Patching Mix AE • Develop rapid strength and establish quicker set time • Typically commercial use for high-traffic concrete pavements, parking structures, bridge deck repairs, industrial floors • Non-chloride formula, non-corrosive	• Liquid additive that entrains small stable air voids into concrete mix to enhance freeze/thaw durability and workability of concrete or mortar • Improves resistance to scaling, segregation and bleeding, strength, plasticity, water retention and mortar cohesiveness	• Type C, non-chloride, non-corrosive liquid additive to improve workability and initial strength while reducing hydration time of cement mixes. • Recommended for use during cooler weather to accelerate set-times and increase early-strength without corrosive effects	• High-solids, acrylic, liquid bonding agent to substantially improve adhesion, impact and shear bond, tensile, flexural, and compressive strength of non-modified concrete mortars, patches, and grouts • Solvent free, VOC compliant • Extends open time/pot life • Improved resistance to freeze/thaw cycles and efflorescence • Excellent UV light resistance	• Mild acidic liquid cleaner to dissolve efflorescence and remove rust stains from concrete and masonry surfaces • Prepares concrete and surfaces for repairs • Enables sealers to better penetrate existing concrete or masonry	• For use over porous surfaces as a substrate primer before use of Level-Flo underlayments • Enhances self-leveling flow and adhesion • Water based, liquid polymer-latex • Interior use only	• Environmentally-friendly liquid alternative to aggressive acid concrete removers • Ready to use • Non-toxic to plants and vegetation • Non-corrosive and non-fuming
APPLICATION							
Application Temperature Range	40°F-90°F	50°F-90°F	20°F-95°F	40°F-95°F	50°F-90°F	50°F-90°F	40°F-95°F
Industry Standard	Meets ASTM C494	Meets ASTM C260	Meets ASTM C494	Meets ASTM C1059 Exceeds ANSI A118.4 and A118.11	N.A.	N.A.	N.A.
Enhancements	Reduces the closure time of high-traffic areas from 24 hours to 4-5 hours	Adds air to mix for freeze-thaw durability	Allows hydration in Portland to continue in cool temperatures	Improved workability and creates a more durable cement-based finished product	Cleans and restores, dissolves mineral deposits	Concentrated, dilute at job site	Cleans unwanted concrete and mortar residue from surfaces
Dosage Rates	Use 1 gallon per 100 pounds of dry Concrete Patching Mix AE	Use ratio with concrete mix is dependent upon desired air content Typical final air content is 6.5%-8% Minimum 3 oz. to 16 oz. per bag	Use full strength in most cases	Use full strength, up to 3:1 dilution per type of mix (Mighty Bond to water)	Use full strength	For porous concrete substrates dilute 1:1 For plywood substrates dilute 3:1 (primer to water)	Use full strength
Intended Uses (refer to data sheet for restrictions and notes)	Admixture for Tenon Air-Entrained Concrete Patching Mix AE	Admixture for any concrete and cement mix, mortar, or grout when used on exterior applications in freeze/thaw climates	Cold weather admixture for concrete and cement mixes, mortars, or grouts. Not recommended for fast-setting mix designs	Admixture for any non-modified concrete and cement mix, tile setting mortar, or grout Also used with polymer-modified mixes when applied to difficult to bond substrates	Surface cleaner for cured concrete, brick, or masonry surfaces including pavers	Surface primer prior to application of self-leveling underlayments	Clean tools, equipment, siding, etc.

For Technical Product Data, Industry Standards, and Material Safety Data Sheets on all of the Tenon® products, please visit our website at www.tenonsolutions.com