BLEND TECH SOLUTIONS

APPLICATION PROCEDURES

BLEND TECH SOLUTIONS JOINT FILLER STNIC-23

Joint Filler STnic-23 is a semi-rigid polyurea joint filler that is fast setting, UV inhibited, heavy duty and designed to protect the brittle joint edges of commercial, retail and industrial concrete floors from damage by heavy and hard wheeled transport of product. Joint Filler STnic-23 provides a smooth flat surface for the transportation of goods and people.

BLEND TECH ADVANTAGES

Joint Filler STnic-23 is not affected by moisture, 100% solids, solvent free, zero VOC's, polishable without smudges or smears, tack free within minutes and open to traffic in less than an hour. One joint filler for all jobs with a Shore A hardness of 85, excellent bonding and elongation properties, easily pigmented with consistent color and equal viscosity of A and B sides for easy mixing. Aromatic formulation is safer for handlers, installers, transporters, and employees.

TECHNICAL DATA

Test data shown are typical values obtained under laboratory conditions. Some variations could be found under varied conditions in the field such as temperature, humidity and type of substrate. Foot traffic is generally acceptable within 3 – 4 minutes. Complies with LEED® IEQ Credit 4.1. Once cured, this product is inert (chemically inactive). Therefore, it is safe to discard and for use in areas subject to inspection for food safety.

Viscosity	ASTM 4016	A=800cpsB=800cps
Solids	100%	
VOC Content	0	
Mix Ratio	1:1	
Gel Time	ASTM D7997	30-50 Seconds
Tack Free	74°F	4 - 5 Minutes
Shore A Hardness	ASTM D-2240	85 - 87A
Tear Strength, Die C	ASTM D624	110 pli
Tensile Strength, psi	ASTM D-412 (7 days)	1800 psi
Elongation Adhesion	ASTM D-412	162%
	ASTM D4541-17	422 – 454 psi

STORAGE

Store warm and dry. Best temperature range for storage is between 60°F to 85°F. Do not allow STnic-23 to freeze or the chemicals may coagulate and then require superheating to become homogenous. Best practice: use a blanket of compressed nitrogen to minimize oxidation in any opened container before tightly replacing lid

COVERAGE RATE

1 Gallon = 231 cubic inches, or 128 ounces.
1 Gallon = 5.8 (22 oz.) cartridges.
The chart shown here indicates amounts of lineal feet per gallon. Divide by 5.8 for lineal feet of 22 oz. cartridges. Estimations must include a percentage for waste such as overfill. Typical deductions for waste range between 10% – 12%.

Joint Width ▼ / Joint Depth ▶	3/4"	1"	1-1/2"	2"	2.5"	3"
1/8"	205'	154'	103'	77'	62'	51'
3/16"	137'	103'	68'	51'	41'	34'
1/4"	103'	77'	51'	39'	31'	26'
3/8"	68'	51'	34'	26'	21'	17'
1/2"	51'	39'	26'	19'	15'	13'

SHELF LIFE

6 Months.

PACKAGING

Available packaging: 10 gallon kits, 22 oz. (600 ml) 1:1 cartridges, custom sized kits per request.

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PREPARATION

Joint side walls MUST be clean and dry exposing open pores of concrete for best adhesion. Always clean and prep both sides of the joint walls with dustless concrete saws and diamond blades. Joint walls and the surface must be square, not tooled or rounded. Anything other than clean open pores on the side walls is a bond breaker and will compromise the ultimate holding values of the joint filler. Vacuum all debris from joint walls and surface area. Test the surface for staining in an inconspicuous area before proceeding on the entire project. To prevent staining, apply a coat of Ivory soap to the slab surface on both sides of the joint to be a bond breaker.

BULK MIXING

Pre-mix bulk containers of the B side (polyol) for 2 – 3 minutes with a paddle mixer set on low rpm's while adding Color Pack contents. Mix slowly with the paddle near the bottom of the pail so as not to introduce air while mixing. The A side never needs to be mixed prior to mixing with the B side. Keep lids on buckets at all times when not mixing to protect the polyurea from humidity. Best practice: use a blanket of compressed nitrogen to minimize oxidation in any opened container before tightly replacing lid. Acceptable within 3 – 4 minutes. Complies with LEED® IEQ Credit 4.1. Once cured, this product is inert (chemically inactive). Therefore, it is safe to discard and for use in areas subject to inspection for food safety.

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