



ENVIRO STAIN™

TIMBER-TEC CHINKING

DESCRIPTION A moisture cure log chinking compound based on a fast setting elastomeric polymer. Timber-Tec Chinking is designed for application in very dynamic joints. It is solvent free, non-shrinking and its unique cure chemistry allows application down to -1°C (30°F). Available in seven standard colors as well as custom colors.

APPLICATIONS

Apply Sansin Timber-Tec Chinking to clean logs and timbers for interior and exterior use.

PRODUCT BENEFITS

- Fast Cure
- 0-VOC
- Zero Shrinkage
- Low Temperature Cure (applicable down to -1°C (30°F))
- Excellent Adhesion
- Solvent Free (no volatile organic content)
- Freeze Thaw Stable (not damaged by freezing)
- Tough Abrasion Resistant Finish
- Excellent Weather Resistance
- Compatible to most wood treatments
- Paintable/Stainable
- Deep Cure

CHARACTERISTICS

- Appearance.....Lightly textured Mortar
- Odor.....Slight mint odor while curing, no odor when cured.
- Form.....Gun or Knife grade mastic
- Specific Gravity.....1.0 to 1.1
- Wt. / Gallon.....8.4 lbs.
- Percent Solids.....100% (No VOC's)
- Viscosity.....500,000 to 700,000 cps, Brookfield RTV TF spindle @ 4 RPM, 21°C (70F)
- Freezing Point.....@ -2°C (28°F). Gunnable @ -1°C (30°F) when warmed.
- Color.....White, Limestone, Natural, Mortar, Colonia, Oxford and Tamarack.
- Clean-up Soapy water / Alcohol mixture.

PERFORMANCE PROPERTIES

- Elongation @ Break.....350% to 450%
.....ASTM D-412
- Hardness Shore A 35 to 40
.....ASTM C-661
- Shear Strength.....200 to 225 PSI
.....ASTM D-1002
- Tack Free Time.....15 to 40 min.
.....ASTM C-697

- Slump (sag) Zero SlumpASTM C-697
- Shrinkage No Measurable Shrinkage @ 14 days CureASTM D-2453
- Water resistance 60 minutes
- Low Temperature Flex @ -28°C (-20°F) PASS ¼ inch mandrel
- Service Temperature-40°C (-40°F) to 38°C (100°F) continuous
- Shelf Life One year

PACKAGING

Available in 20 oz sausages.

SURFACE PREPARATION

Inspect bonding surfaces for defects or deterioration or insect damage. Clean all dirt, debris, oil or previous chinking with ammonia water or alcohol. Do not clean with petroleum distillates or detergents, which leave a residue that would interfere with adhesion.

APPLICATION METHODS

- Apply Sansin Timber-Tec Chinking only to clean, solid and properly prepared surfaces.
- Stain finishes that were applied before chinking must be fully cured and free of oily residue.
- Install appropriate backer rod as per manufacturer's specification.
- Mask off surfaces adjacent to the joint to insure a neat finish.
- Gun or tool Sansin Timber-Tec Chinking into the joint cavity to a level even with the masked edges.
- Completely fill voids and irregularities in the joint with chinking to form a solid rubber seal.
- Tool the chinked surface to a flat, bubble free "mortar" appearance. Additional texture can be tooled into the surface as long as such texture is free of voids.
- Sansin Timber-Tec Chinking will skin over in about forty minutes at room temperature. Hot and humid conditions can accelerate skin over time to as little as twenty minutes. Work in reasonably sized application areas. Do not apply more joint area than you can tool in fifteen minutes.

- The cure reaction of Sansin Timber-Tec Chinking is driven by moisture and heat. A 3/4 inch deep joint will cure completely in three days at room temperature and 40% relative humidity. Cold weather will retard cure time by as much as 14 days and warm weather could accelerate cure time to as little as one day.

ADHESION

When Timber-Tec chinking is applied to a clean non contaminated bare wood substrate as per directions for use, and the minimum adhesion depth is 3/8" and minimum joint thickness is 1/8", Sansin warrants that Timber-Tec chinking will not pull away or tear for a period of five years subject to normal joint movement. This warranty is limited to the replacement of product to treat the affected area. This warranty specifically excludes any consequential damages labor and other associated costs of product. The user is responsible to verify the quality of the material prior to use including color and adhesion tests to the substrate it is being applied to. Test adhesion to previously coated surfaces. To avoid risk remove all coatings to bare wood in the adhesion area.

STANDARDS

Sansin Timber-Tec Chinking meets the performance requirements of ASTM D-412, ASTM C-661, ASTM D-1002, ASTM C-697 and ASTM D-2453.

STORAGE

Store in a cool dry sheltered with conditions as close to room temperature as possible.

SAFETY See Material Safety Data Sheet

WARNING TO USERS

Keep out of reach of children.

The information contained in this document is given in good faith based on our current knowledge. The use of the product is beyond the control of The Sansin Corporation, and no guarantees, expressed or implied, are made as to the result to be obtained if not used in accordance with the published Directions for Use. The Sansin Corporation does not assume any legal responsibility for use or reliance on same. This information must on no account be used as a substitute for necessary field tests, which alone can ensure that the product is suitable for the expected use. Before using any product, read its label.

CONDITIONS OF SALE

The only obligation of the manufacturer and seller shall be to replace such quantity of Sansin product that is proven to be defective. Proof of purchase is required. Seller or manufacturer shall not be liable for any loss or damage connected with the use and/or handling of this product. All labor costs are specifically excluded. User should determine suitability of product for the intended use before application. User assumes all risk and liability in connection therewith. This warranty is expressly made in lieu of any and all other rights, warranties, conditions and remedies, express or implied, including but not limited to any implied warranty or condition of merchantability, fitness for a particular purpose, and any warranty or condition arising out of a course of dealing, a custom or usage of trade. If any distributor or seller of product offers warranties or remedies which differ from those offered by Sansin, Sansin accepts no responsibilities for such warranties or remedies.

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Timber Tec® Chinking approximate coverage according to joint width

		Joint Width									
		1/2"	1"	1 1/2"	2"	2 1/2"	3"	3 1/2"	4"	4 1/2"	5"
JOINT DEPTH	3/16"	205	103	68	51	41	34	29	26	23	21
	1/4"	154	77	51	39	31	26	22	19	17	15
	3/8"	103	52	34	26	21	17	15	13	11	10
	1/2"	77	39	26	19	15	13	11	10	9	8
		Lineal feet per US gallon									