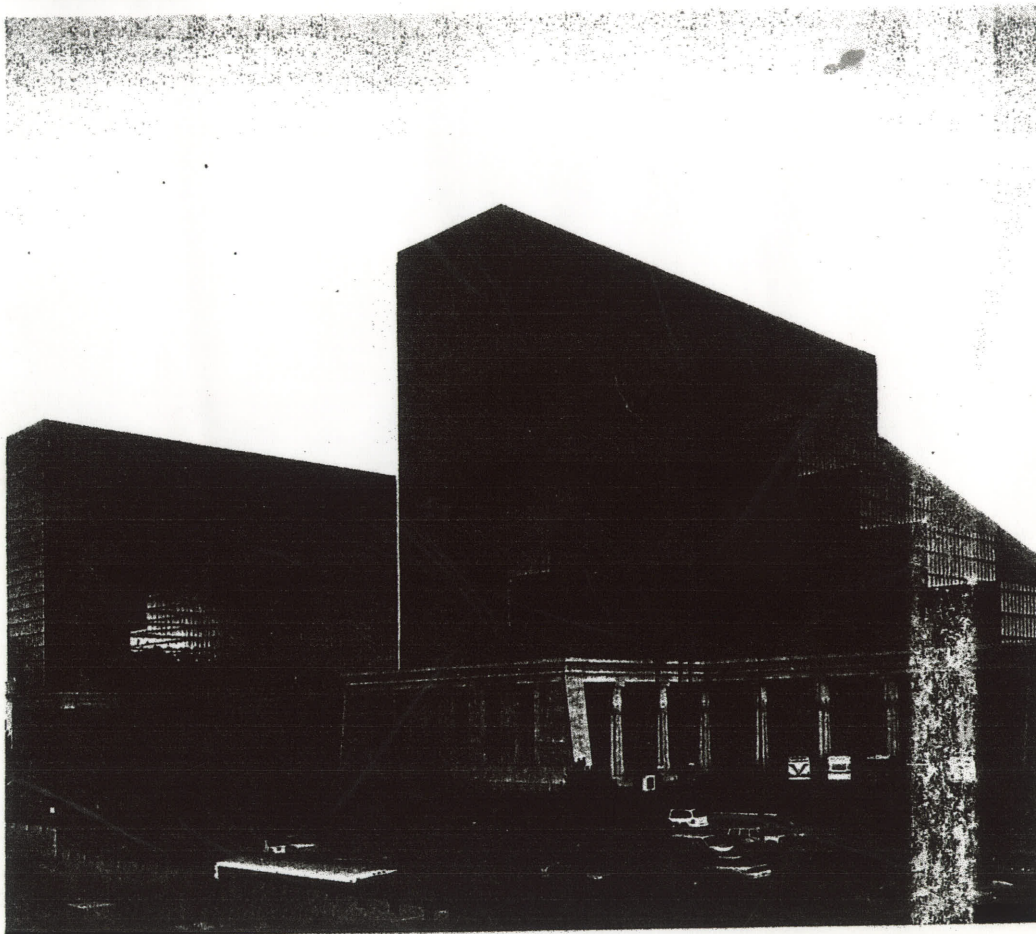


Sonneborn®**Sealant
Systems****SONOLASTIC®
150 TINT BASE****Multi-component low modulus,
high movement, fast curing sealant**

- Premium-grade high-performance multi-component tintable silyl-terminated non-sag elastomeric sealant

**Where to Use
Sonolastic® 150
Tint Base**

- Wet glazing
- Aluminum
- EIFS
- Wood
- Stone
- Concrete
- Masonry
- Curtain wall construction
- Expansion wall joints
- Panel walls
- Precast units
- Aluminum and wood window frames
- Fascia
- Parapets
- Interior and exterior

**Features**

- Low modulus...
- Available in 1.5 gallon units...
- Easy to gun and tool...
- Tintable...
- Weather resistant...
- Wide temperature application range...
- Compatible with nonrigid paints...
- Nonstaining...

Benefits

- Extreme joint movement capability (+100 to -50)
- Excellent flexibility for keeping moving joints water tight
- 1 - 2 hour pot life
- Speeds application and makes neater joints
- Over 455 colors to match any substrate
- Long-lasting weathertight seals
- Suitable for all climates
- Paintable
- May be used on stone

How to Apply Sonolastic® 150 Tint Base

Joint Preparation

1 The number of joints and the joint widths should be designed for a maximum of +100/-50% movement.

2 In deep joints, the sealant depth should be controlled by joint fillers or back-up materials. Refer to Table 1. The back-up material must be non-impregnated and compressible, such as Closed-Cell Backer-Rod or Soft Backer-Rod.

Where shallowness of the joint does not permit use of Backer-Rod, a bondbreaker (polyethylene strip) must be used to prevent three point bonding.

3 To maintain recommended sealant depth, Backer-Rod is installed by compressing and rolling it into the joint channels without stretching it lengthwise. Closed-Cell Backer-Rod should be about 1/8" (3 mm) larger in diameter than the width of the joint to allow for compression. Soft Backer-Rod should be approximately 25% larger than the width of the joint.

Surface Preparation

Surfaces to receive sealant must be structurally sound, dry, clean, free of dirt, moisture, loose particles, oil, grease, asphalt, tar, paint, wax, rust, waterproofings, curing and parting compounds, and any type of membrane material.

Masonry

Concrete, stone, and other masonry must be cleaned where necessary by grinding, sandblasting, or wire brushing to expose a sound surface free of contamination and laitance.

Glass

Remove all oil and grease with xylene, then wipe clean and dry with a clean cloth until no solvent film or fingerprints remain.

Table 1

Joint Width and Sealant Depth		Sealant depth:	
Joint width (inches)	Joint width (mm)	at midpoint (inches)	at midpoint (mm)
1/4 to 1/2	6 - 13	1/4	6
1/2 to 3/4	13 - 19	1/4 to 3/8	6 - 10
3/4 to 1	19 - 25	3/8 to 1/2	10 - 13
1 to 2	25 - 51	1/2	13

Metal

Scale, rust, oxide, and coatings must be removed to bright metal. Protective coatings should be removed as well as any chemical residue or film. Aluminum window frames are frequently coated with clear lacquer. Lacquer must be removed prior to the application of Sonolastic® 150 Tint Base, preferably by wiping the window frames with a clean cloth moistened with methyl ethyl ketone (MEK).

Priming

1 While Sonolastic® 150 Tint Base is generally considered a nonpriming sealant, special circumstances or substrates, e.g., certain protective coatings on aluminum and certain bricks or masonry, may require a primer. It is the user's responsibility to check the adhesion of the cured sealant on typical test joints at the project site before and during application. Consult Technical Services for additional information.

2 Priming is required for exposure to incidental water immersion. Use Primer 2000.

3 Allow primer to dry before application of Sonolastic® 150 Tint Base, approximately 15 - 30 minutes at 75°F (24°C) and 50% relative humidity.

Mixing

1 Sonolastic® 150 Tint Base is a two-component system and must be thoroughly mixed before use.

The oversize Part A container allows for the addition and mixing of Part B and color pigment into Part A.

2 Transfer entire contents of Part B to Part A container using a spatula or margin trowel.

3 It is imperative that Part B be mixed thoroughly with Part A. Before adding pigment, scrape sides of container to ensure complete mixing of Parts A and B.

4 With a slow-speed drill and a sealant mixing paddle, mix 4 - 6 minutes. The paddle blade must be kept below the surface of the sealant to avoid whipping air into the sealant.

5 Transfer the entire contents of the pigment can into the mixed Part A and B. Use a spatula or knife to remove all the pigment from the container. Continue mixing with a slow-speed drill and slotted paddle until color is uniform. During the process, the sides and bottom of the base coat must be scraped several times to obtain a complete mix.

6 The pot life of Sonolastic® 150 Tint Base is influenced by temperature and humidity. Approximate pot life is 1 - 2 hours.

Application

1 Except when unusual job conditions dictate the use of knife or spatula, Sonolastic® 150 Tint Base is applied by professional bulk gun loaded at the job site. Joints should

be filled from the bottom up to the exterior face by holding a properly sized nozzle against the joint bottom.

2 Proper tooling ensures the correct bead configuration and a neat joint. Equally important, it ensures maximum adhesion to the sides of the joint. For best results, dry tool or dampen tool with Reducer 990. DO NOT use water or soapy water to tool. Avoid overtooling of sealant.

3 Field experience recommends that all caulking and sealing be done when temperatures are above 40°F (4°C) to avoid application to moisture-laden surfaces. Moisture on substrates will adversely affect adhesion.

Application may proceed as low as 20°F (-6°C) if there is certainty that substrates are completely dry, free of moisture, and clean as described under Surface Preparation.

Sonolastic® 150 Tint Base is not a structural sealant.

Clean Up

Immediately after use and before sealant has cured, clean equipment with xylene, toluene, or Reducer 990. Cured sealant may be removed by cutting with a sharp-edged tool; thin films by abrading.

Curing Time

The cure of Sonolastic® 150 Tint Base varies with temperature and humidity. The following times assume 75°F (24°C), 50% relative humidity, and a joint 1/2" (13 mm) width by 1/4" (6 mm) depth.

- Skins within 2 hours
- Functional within 1 - 3 days
- Full cure in approximately 1 week

For Best Performance

- Do not use Sonolastic® 150 Tint Base as a structural sealant.
- Protect unopened containers from heat and direct sunshine.
- In cool or cold weather, store container at room temperature for at least 24 hours before using.
- Sonolastic® 150 Tint Base should not be used for continuous immersion in water. Contact Technical Services for recommendations.
- Lower temperatures will extend curing times.
- Do not apply over freshly treated wood; treated wood must have weathered for at least 6 months.
- Some substrates require the use of Primer 2000. An adhesion test is recommended for any questionable substrate.
- Sonolastic® 150 Tint Base should not come in contact with oil-based caulking, silicone sealants, polysulfides, or fillers impregnated with oil, asphalt, or tar.
- When performing a field adhesion test, allow the sealant to
- Storing at elevated temperatures will reduce shelf life.
- Make certain the most current version of this data guide is being used; call Customer Service (1-800-433-9511) to verify the most current version.
- For proper sealing of joint edges, all window covers must be removed prior to application of sealant.
- Extreme and persistent high temperatures and/or humidity in certain environments may lower the service life of any sealant including Sonolastic® 150 Tint Base
- Sonolastic® 150 Tint Base can be painted over provided it has a thin film of skin on the surface. When painting over any elastomeric sealant, use a paint that is also elastomeric. (If movement occurs, the paint will also move.) An alternative to painting is applying Sonolastic® 150 Tint Base in one of its 455 colors.
- Proper application is the responsibility of the user. Field visits by ChemRex Inc. personnel are for the purpose of making technical recommendations only, and are not to supervise or provide quality

Technical Data

Compliances

- Federal Specification TT-S-001543A, Type II, Class A, Type Non-sag
- Federal Specification TT-S-00230C, Type II, Class A
- ASTM C 920, Type S, Grade NS, Class 25, Use NT, M, A, G, and O
- Corps of Engineers CRD-C-541, Type II, Class A

USDA approval for use in areas that handle meat and poultry

Typical Properties

Property	Result
Service temperature range, °F (°C)	-40 (-40) to 220°F (104)
Expected life	Up to 20 years
Shrinkage	None

Test Data

Property	Value (Average)	Test Method
Movement capability, %	+100/-50	ASTM C 719
Tensile strength, psi	150	ASTM D 412
Ultimate elongation at break, %	600	ASTM D 412
Rheological (sag in vertical displacement) at 120°F	No sag	ASTM C 639
Extrudability, mL/min.	165	ASTM C 1183
Hardness at std. conditions	15	ASTM C 661
Weight loss, after heat aging, %	<10	ASTM C 792
Tack-free time, min., (maximum 72 hrs.)	120	ASTM C 679
Stain and color change (no visible stain)	Passes	ASTM C 510
Bond durability* on glass, aluminum, and concrete, +100 / -50% movement, pli	Passes	ASTM C 719
Adhesion* in peel, pli, min, 5 pli	Aluminum 33 Glass 30 Concrete 29	ASTM C 794
Adhesion in peel after UV radiation through glass, min. 5 pli	25	ASTM C 794
Accelerated weathering	No Cracking	Atlas 6500 xenon arc model after 2,000 hours
Tear strength, lb./in.	40	ASTM D 1004

*Primed for water immersion as indicated in ASTM C 920: concrete primed with Primer 2000.

Test results are averages obtained under laboratory conditions. Reasonable variations can be expected.

Order Information

Packaging

- Sonolastic® 150 Tint Base
- 1.5 gallon units

Colors

40 standard, stocked colors are available. Refer to the Rainbow of Colors® popular palette, Form No. SP-041.

455 standard (non-stocked) colors are also available, and custom matching can be done upon request. Refer to the Rainbow of Colors® book.

Coverage

Joint depth (inches)	Linear Feet per Gallon* Joint width (inches)						
	1/4	3/8	1/2	5/8	3/4	7/8	1
1/4	308	205	154	122			
3/8				82	68	58	51
1/2					51	44	38

* One gallon equals approximately 12 cartridges or 6 ProPaks.

Joint depth (mm)	Meters per Liter Joint width (mm)						
	6	10	13	16	19	22	25
6	25	17	12	10			
10				7	6	5	4
13					4	4	3

Caution

Sonolastic® 150 Tint Base Part A contains calcium carbonate

Risks

May cause skin, eye and respiratory irritation. Ingestion may cause irritation.

Precautions

KEEP OUT OF THE REACH OF CHILDREN. Avoid contact with skin, eyes and clothing. Keep container closed when not in use. Use only with adequate ventilation. Wash thoroughly after handling. Avoid breathing vapors. DO NOT take internally. Use impervious gloves, eye protection and if the TLV is exceeded or product is used in a poorly ventilated area, use NIOSH/MSHA approved respiratory protection in accordance with applicable federal, state and local regulations.

First Aid

In case of eye contact, flush thoroughly with water for at least 15 minutes. SEEK IMMEDIATE MEDICAL ATTENTION. In case of skin contact, wash affected areas with soap and water. If irritation persists, SEEK MEDICAL ATTENTION. Remove and wash contaminated clothing. If inhalation causes physical discomfort, remove to fresh air. If discomfort persists or any breathing difficulty occurs, or if swallowed, SEEK IMMEDIATE MEDICAL ATTENTION.

Refer to Material Safety Data Sheet (MSDS) for further information.

Proposition 65

This product contains material listed by the state of California as known to cause cancer, birth defects or other reproductive harm.

VOC Content

When components are mixed this product contains less than 27.3 g/L or 0.23 lbs./gal. less water and exempt solvents.

For medical emergencies only, call ChemTrec (1/800/424-9300)

Caution

Sonolastic® 150 Tint base part B contains silicon dioxide, calcium carbonate, organotin compound, N-(3-(trimethoxysilyl) propyl)-1, 2-ethanediamine.

Risks

Severe eye irritant. May cause respiratory irritation. May cause dermatitis and allergic responses. Potential skin sensitizer. Ingestion may cause irritation. INTENTIONAL MISUSE BY DELIBERATELY INHALING THE CONTENTS MAY BE HARMFUL OR FATAL.

Precautions

KEEP OUT OF THE REACH OF CHILDREN. Use only with adequate ventilation. Avoid contact with skin, eyes and clothing. Keep container closed when not in use. Wash thoroughly after handling. DO NOT take internally. Use impervious gloves, eye protection and if the TLV is exceeded or used in a poorly ventilated area, use NIOSH/MSHA approved respiratory protection in accordance with applicable Federal, state and local regulations.

First Aid

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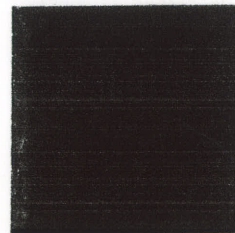
Customer Service: 1/800/433-9517

Technical Services: 1/800/ChemRex (1/800/243-6739)

Web Site: www.chemrex.com

Limited Warranty Notice

Every reasonable effort is made to apply ChemRex Inc. exacting standards both in the manufacture of our products and in the information which we issue concerning these products and their use. We warrant our products to be of good quality and will replace or, at our election, refund the purchase price of any products proved defective. Satisfactory results depend not only upon quality products, but also upon many factors beyond our control. Therefore, except for such replacement or refund, CHEMREX INC. MAKES NO WARRANTY OR GUARANTEE, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY, RESPECTING ITS PRODUCTS, and CHEMREX INC. shall have no other liability with respect thereto. Any claim regarding product defect must be received in writing within one (1) year from the date of shipment. No claim will be considered without such written notice or after the specified time interval. User shall determine the suitability of the products for the intended use and assume all risks and liability in connection therewith. Any authorized change in the printed recommendations concerning the use of our products must bear the signature of the ChemRex Inc. Technical Manager.



Sonneborn®

ChemRex Inc.

889 Valley Park Drive; Shakopee, MN 55379

Manufacturing Plants: Newark, CA; Denver, CO; Centerville, IN; Fort Wayne, IN; Mattawan, MI; Bloomington, MN; Bristol, PA.

Regional Warehouses: Hayward, CA; Ontario, CA; Atlanta, GA; Chicago Heights, IL; Fairfield, NJ; Brampton, ONT (Canada); Grand Prairie, TX.