

BASIC USES: This butyl sealant is recommended for use in metal-to-metal panel seals, perimeter seal around doors, windows, and masonry intersections; bedding for mullions, framed openings, and coping areas, curtain wall sealants, end dams and splice joints.

It is recommended for glazing of glass, heel and toe beading, and complete channel bedding.

PTI 707 has excellent adhesion to wood, metal, glass, concrete, and masonry surfaces. However, tests should be run on special finishes to determine suitability. Not recommended for extended water immersion or interior application.

TECHNICAL DATA

Base	.A specially processed combination of butyl rubber with highly age-resistant polymers.
Cure system	Solvent release
Cure time	14 days at 75°F (20°C)
Tack-free time	24 hours max
% Solids	.80% minimum, ±2%
Elongation	150%
Shore A Hardness	40 durometer max.
Durability (loss of bond test)	1.5 sq. in. maximum over 6 sq. in. total when tested against TT-S-001657
Application temperature	40°F to 120°F (+5°C to +50°C)
Service temperature	-30°F to +200°F (-35°C to +95°C)
UV resistance	No discoloration or crazing after 1500 hours in weatherometer cabinet
Max. joint movement accommodation	12-1/2%
Shelf Life	1 year
Typical Life Expectancy	Long Life
Paint	In two weeks
Limitations	Joint size: Minimum 1/4" x 1/4" Maximum 1/2" x 1/2"

COMPOSITION AND MATERIALS: PTI 707 butyl sealant is uniquely formulated. It is a non-skinning elastomeric sealant with a balance of adhesion-cohesion characteristics that enables it to perform in areas where dynamic conditions exist. PTI 707 does not harden or lose flexibility, adhesion, or elongation after prolonged exposure to high or low temperatures and ultra-violet light. Total joint movements of 12-1/2% will not affect the water-tightness of PTI 707. Adhesion to special finishes should be tested for suitability.

GRADE: Gun-grade consistency.

PACKAGING: PTI 707 is stocked in standard 10.5 fl. oz. (310 ml.), 4" needle nose cartridges, 30 per case, and 5-gallon pails. Also available on special request in 55-gallon drums.

COLORS: White, gray, black, bronze, and natural.

MAINTENANCE: Not required. PTI 707 may be reapplied upon itself at any time providing the existing surface is clean.

APPLICABLE STANDARDS: Meet Federal Specification TT-S-001657, Canadian Specification 19 GPN, AAMA 808.3, and ASTM C-1085.

INSTALLATION:

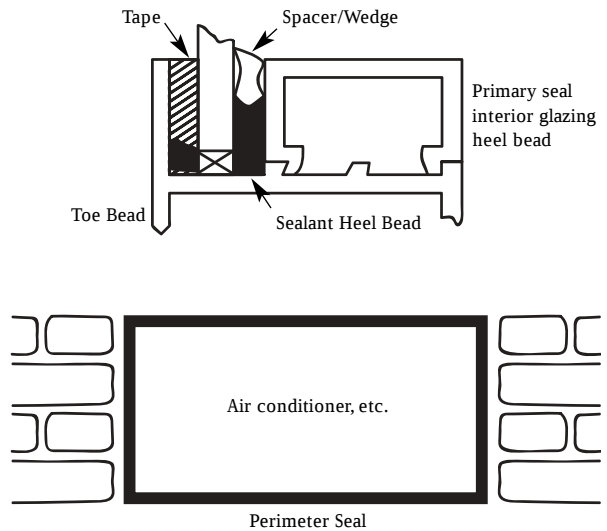
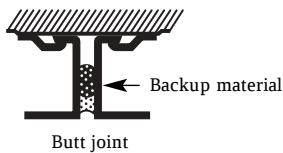
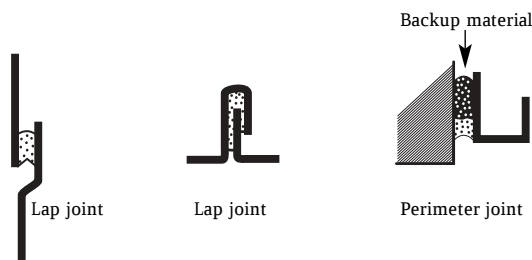
Preparatory work: Joints and sealing areas must be clean, dry, and free of residue. Protective coatings on glass and aluminum surfaces must be removed with suitable oil-free solvents. Masonry surfaces must be free of contamination and laitance. Backer rod should be used in deep openings to decrease depth to accepted limits: e.g. 1/4"-1/2". If the joint is too shallow for backer rod, apply bond breaker tape to the bottom of the joint to prevent three-sided adhesion.

APPLICATION: Use standard cartridge gun. Tooling with approved tools dipped in water will assure a complete filling of voids as well as provide maximum contact of sealant to the sides of the joint. Soapy water should not be used for tooling.

TYPICAL APPLICATIONS:

Working Joints

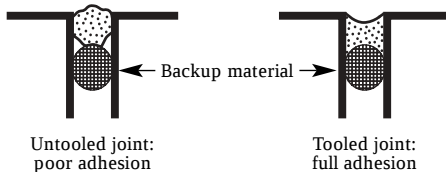
Joint depth = joint width to 1/2" max.



Non-working Joints



Importance of Tooling Joints



QUANTITY ESTIMATION: (Linear feet per gallon)							
Depth Joint	Width of Joint						
	1/4"	3/8"	1/2"	5/8"	3/4"	7/8"	1"
1/4"	308	205	154	123	102	88	77
3/8"		135	102	82	68	58	51
1/2"			77	61	51	44	38
5/8"				49	41	35	30
3/4"					34	29	25
7/8"						25	22
1"							19

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