

BUTYL TAPE

CRL Part Numbers:

CRL1303, CRL1305, CRL1309, CRL1401, CRL1403, CRL1405, CRL1502 and CRL1504.

Product Description:

CRL Butyl Tape is a 100% solids, non-hardening butyl rubber based extruded tape sealant. It will remain flexible and develop an immediate and permanent bond to a wide range of substrates including metal, concrete, glass, and most plastics.

CRL Butyl Tape will elongate and absorb compression within the sealant without breaking the adhesive bond to the substrates. It is designed not to shrink or oxidize under longterm aging. It is used to form an adhesive seal or gasket between metal, concrete, glass, and most plastic surfaces in either above or below grade applications. The sealant will withstand a variety of environmental conditions. It is especially well suited in sealing pipe joints, manholes, burial vaults, wall panel systems, and similar structures.

Features	Benefits
Meets or Exceeds Industry Specifications	Federal Specification* SS-S-210A
Cold Weather Flexibility at -23°C (-10°F)	180° Bend • No adhesion Loss • No Cracking
Wide Range of Application Temperature	Application Temperature • 20°F to 120°F
Easy Application	Faster Installation
Permanently Flexible, No Shrinkage, Non Corrosive CRL Butyl Tape will not oxidize or harden with aging	Watertight Joints

Technical Data

Property	Typical Value	Test Method
Color	Black	Visual
Specific Gravity	1.35 to 1.50	ASTM C135
Ash Content	45%-48%	AASHTO T111
Ductility @ 25°C (77°F)	6.0 cm	ASTM D113
Rebound Recovery @ 25°C (77°F) @ 0°C (32°F)	4-7% 5-10%	ASTM C972
Compression Index @ 25°C (77°F) @ 0°C (32°F)	100 lbf/in3 max 200 lbf/in3 max	ASTM C972
Elongation @ 25°C (77°F)	350%	ASTM D412
Solids Content	100%	ASTM C681
Elevated Temperature Flow	No sag or shape change after 14 days @ 158°F	ASTM C766
Cone Penetration @ 25°C (77°F)	65 to 90 dmm	ASTM D217 (300g total load)
Low Temperature Flexibility	No cracking or adhesion loss at -23°C (-10°F)	ASTM C765
Application Properties		
Application Temperature	-7°C to 49°C (20°F to 120°F)	
Service Temperature	-40°C to 121°C (-40°F to 250°F)	
NOTE: The foregoing information is published as general information only. The listed properties and performance characteristics are approximate values and are not to be interpreted as manufacturing specifications.		

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Instructions

All installation surfaces must be clean and dry. Due to the high adhesive quality of CRL Butyl Tape, surface priming is not normally required. If wet or unusual surface conditions exist, it is recommended that an adhesive primer be applied and allowed to dry a minimum of 40 minutes before application of the sealant. CRL Butyl Tape bonds instantly to most surfaces and to itself. Always butt the ends of tape sealant together. Do not overlap. Leave the protective release liner on the sealant during application and remove only after the structure is ready for coupling. The joint should then be coupled with sufficient pressure for joint assembly.

Limitations

Not recommended for use with oils or hydrocarbon solvents.

Health and Safety

Prior to working with this or any other product consult product label and Safety Data Sheet (SDS) for necessary health and safety precautions.

Storage and Shelf Life

Store material in original unopened container below 50°C (122°F). Shelf life is 2 years minimum when stored as recommended.

CAUTION: All statements and technical information in this document are based on tests or data that C.R. Laurence believes is reliable. However, CRL does not warrant or guarantee the accuracy or completeness of this information. The user has sole knowledge and control of factors that can affect the performance of CRL's products in the user's intended application. It is the user's responsibility to conduct tests to determine the compatibility of CRL's product with the design, structure, and materials of the user's end product and the suitability of CRL's product for the user's method of application and intended use. The user assumes all risk and liability arising out of such use.

