

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. | | |

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.