



Product Data

Q-207 Mastosplice Type 1

Issue Date: 11/03/2010

Purpose

Mastosplice (Type1) is a tough, durable material that has superior resistance to the elements. It meets or exceeds all requirements of the single ply roofing industry for splicing material.

Composition

Mastosplice (Type1) is a unique blend of butyl, E.P.D.M. and polyisobutylene elastomers. The compound is carefully cross linked to a level that will guarantee the desired creep resistance without allowing excessive rebound and recovery. This holds the material's energy level at the splice minimum and assures functionality.

Detail

Mastosplice (Type1) maintains its elasticity and splice integrity when subjected to severe ultraviolet rays, thermal shock, ponding water, and extremely low temperatures. This has been repeatedly demonstrated throughout the product's eight year use in Canada and the Caribbean. A highly desirable added feature is the product's impressive fire and wind rating. In addition to its elasticity and weather ability, Mastosplice (Type1) is a very forgiving product to install. This is due to its low rebound, which permits easy end lap sealing and the closing of "fish mouths" which would otherwise creep open and allow water penetration. In addition to bonding to most membranes without primer (some applications acquire a primer, and users are encouraged to check this before applying). Mastosplice (Type 1) can be used to bond most commonly used insulation materials to their base substrates. In such situations the material's extruded profile is altered to meet that specific requirement. To insure quality applications and performance in such situations the user should check with the manufacturer. The company also makes softer versions.

Clean Up

Tools and equipment may be easily cleaned with mineral spirits.

Packaging

This product is available in rolls of various dimensions and lengths. Several options are available as to the type of release paper or backing that is used. Shipping cartons and packaging can either be standard or customized, depending on the requirement.

Specification Compliance

Military Specifications MIL-C-18969B, Type II, Class B
Federal Specifications TT-C-1796A, Type II, Class B (Supersedes MIL-C-18969B)

Test Data

Color: ASTM D1729-69, Black

Solids Content: ASTM C771-74, 99.8%

Specific Gravity: ASTM D71-72, 1.14 ± .08

Hardness: ASTM D217-68 (300 gr. total weight) 8.0 – 10.0 mm

Plasticizer Migration: ASTM C772-74 no bleed or contact stain

Cold Temperature Flexibility: ASTM C765-73, Passes

Water Resistance: ASTM D1056 Vacuum - .5% max.

Tensile Strength: ASTM D-412@2"/min - 35psi CF

Holding Power: PSTC-7@21 lbs. added weight – 5 plus days

Moisture Vapor Transmission: ASTM E96-53 (method E - .747 perms/10 mil

Aging Characteristics: ASTM D750-68 (Weather-O-Meter, 1000 hours) – no change noted

Heat Distortion and/or Deformation: Proposed to replace ASTM D816.5 – 1.5% MAX.

Adhesion: Peel-PSTC-1 (180°Peel)(No Primer)

Concrete – 20 pli CF

Galvanized – 21 pli CF

Glass – 20 pli CF

Polyethylene – 16 pli CF

Stainless Steel – 20 pli CF

Neoprene Sheet (RPM)-initial – 19 pli CF

Neoprene Sheet (RPM)-1 week @ 190°F – assembled – 17 pli CF

R.I.B. Sheet (RPM) – 19 pli CF

P.I.B. Sheet (RPM) – 1 week @ 190°F – assembled – 16 pli CF

Canvas Sheet (control) – 19 pli CF

Canvas Sheet (control) – 1 week @ 190°F – assembled – 19 pli CF



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Freight Classification

Caulking Compound, "NOIBN" (no red label required)

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