

Barrier J II Installation Procedures

Introduction

Barrier J II offers high resistance to moisture, excellent dielectric properties, wide range of flexibility and ease of application. It can be applied in coatings of 0.003-0.006 inches (0.08-0.15 mm) and will remain flexible over the temperature range of -65 to +400° F (-54° C to +204° C). Vulcanization occurs at room temperature, +75° F (+24° C) in 24 hours or can be accelerated by introduction of heat (see following cure schedule).

Application

Barrier J II should be applied using the supplied brush cap applicator. Extend the coating beyond the edges of the gage installation and over any exposed electrical connections. Because Barrier J II has a non-acid based cure mechanism, metallic substrates will not be adversely affected, unlike some silicones that produce acids during the cure stage. Typical coating thicknesses vary from 0.003 to 0.006 inches (0.08 to 0.15 mm). Additional coating may be applied after fully curing the previous coat. Barrier J II is a homogeneous product and will not separate during storage.

Mixing Instructions and General Considerations

General

The Barrier J II is a single component (RTV) material not requiring any mixing.

Cure Requirements

Room Temperature: +75° F (+24° C) Tack free in 30 minutes, full cure in 24 hours for each 0.003 to 0.006 inch coat (0.08 to 0.15 mm). Additional coats can be applied after the previous coating has been fully cured.

Accelerated Cure: Allow to air dry for 10 minutes at +75° F (+24° C) followed by either (a) 30 minutes at +170° F (+77° C) or (b) 15 minutes at +300° F (+149° C)

Shelf Life

Minimum: 2 Years @ +75° F (+24° C)

Handling Precautions

While this material is considered relatively safe to handle, contact with skin and inhalation of vapors should be avoided. Immediate washing with ordinary soap and water is effective in cleansing should skin contact occur. For eye contact, rinse thoroughly with a copious amount of water and consult a physician. For additional health and safety information, consult the Material Safety Data Sheet, which is available upon request. It must be kept away from heat or open flame in the uncured state. Barrier J II is considered completely inert and essentially non-irritating when fully cured.

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