

RAMUC®

Application Guide

Durathane 11 oz Tubes

Overview

Durathane Sealant is a premium gun-grade, moisture-cured, one-component polyurethane sealant, especially designed for joints in and around pools. It is not displaced by movement or expansion and is non-sagging. Durathane Sealant can be applied on concrete, plaster, and fiberglass. It can be continually immersed, be exposed to sunlight and is resistant to weathering. Upon curing, Durathane Sealant can be top-coated. If being used in the pool, Durathane MUST be top-coated.

Supplies Needed

Cleaning Products:

Clean and Prep Solution by Ramuc, the complete surface preparation product to clean surfaces prior to applying Durathane.

Wire brush, grinder, or sandblasting

General Surface Preparation

For good adhesion, the joint interface must be sound, clean and dry. It is essential to remove all moisture, powder, dirt, grease, oil, and other foreign matter, including all previous paint or caulk. Cleaning may be done by wire brushing, grinding or sandblasting.

Application

Application temperature MUST be above 50°F. Allow surface to dry thoroughly prior to application. Maximum use temperature is 105 degrees.

JOINT DESIGN: May be used in any vertical or horizontal joint designed in accordance with accepted glazing or architectural/engineering practice. Joint width should be 4 times anticipated movement, but not less than ¼ wide. Movement should not exceed 25% of the premium joint width. For joints ¼ to ½ wide, the width to depth ratio should be equal. Joint ½ wide or greater should have sealant depth of ½. Minimum joint size is ¼ x ¼ except when glazing where cap bead minimum size is 1/8 wide and ¼ deep.

JOINT BACKING: Bond breaking tape – closed cell polyethylene rods may be used as joint backing to control depth of sealant bead. Where depth of joint will prevent use of joint backing, and adhesive back polyethylene tape must be installed to prevent three-sided adhesion. Joint backing must be dry at time of sealant application

Durathane Sealant is easy to apply with conventional caulking equipment. Fill joint completely and tool. At 75°F and 50% relative humidity, a durable skin forms within 24 hours. Curing continues at a rate of 1/16 depth per day. The cure rate is reduced at lower temperatures and less humidity.

RAMUC®

Application Guide

Durathane 11 oz Tubes

Durathane Sealant is easy to apply with conventional caulking equipment. Fill joint completely and tool. At 75°F and 50% relative humidity, a durable skin forms within 24 hours. Curing continues at a rate of 1/16 depth per day. The cure rate is reduced at lower temperatures and less humidity.

Cure Rates

Dry Time: To touch in 24 hours. (Note: Curing continues at a rate of 1/16 depth per day)

Full Cure: 4-7 days

Solvent: Excellent

Wind/Moisture: Excellent

Salt: Excellent

Clean up: Ramuc Thinner or xylene

Shelf Life: 6 months

Coverage

One 11oz. tube will cover approximately 27 linear feet at ¼ width x ¼ depth. The size of the joint dictates the actual coverage. The amount shown is intended as minimum application information.

Technical Data

ASTM C-920-79/TT-S-00230C

Tack free time: 30 hours

Stain and color change: None/None

Effects of Accelerated Weathering: Passes

Durathane Sealant meets Federal Specification TT-S-00230C, Type 2, Class A and ASTM C-920-79, Type S, Grade Non-Sag NS, Class 25.