



Dudick inc.

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CAULK 100XT

TWO-COMPONENT, FLUORO-ELASTOMER JOINT SEALANT

FEATURES

Excellent Chemical Resistance
Pre-measured Units
Long Pot Life

RECOMMENDED APPLICATIONS

Secondary Containment
Process Areas
Plating
Pharmaceutical
Electronics
Power Stations

CHEMICAL RESISTANCE

Splash and Spills
98% Sulfuric Acid
37% Hydrochloric Acid
15% Nitric Acid
50% Sodium Hydroxide
Organic Solvents

TEMPERATURE LIMITS:

Up to 180°F

PHYSICAL PROPERTIES

Volume Solids	50%
Color	Black
Shore D Hardness	75-85
ASTM D-2240	
Tensile Strength	1,200 PSI
ASTM D-412	
Elongation	125%
ASTM D-412	

SPECIFICATIONS

Caulk 100XT shall be a two-component fluoroelastomer caulk for expansion joints exposed to spills of

concentrated acids and most solvents, applied in accordance with the manufacturer's recommended practices.

ESTIMATING QUANTITIES AND ORDER BILL OF MATERIAL

	CONCRETE
Primer 67	175-200 ft. ²
Caulk 100 XT	115 cu. in./gallon
S-10 Solvent	500 ft. ² ./gallon
Width x Depth Joint Size	Coverage Rate Lin. Ft./Gallon
1 1/2"x 3/4"	8.5
1"x 1/2"	19
3/4"x 3/8"	34

**Quantities shown are for estimating purposes only. Actual field usage may vary.

Note: For best results, depth is equal to 1/2 joint width. For vertical and overhead joints, increase size by 50%.

APPLICATION INSTRUCTIONS

SURFACE PREPARATION

Concrete: Refer to specific product bulletin where **Caulk 100XT** is being used for concrete surface preparation.

APPLICATION SPECIFICATIONS

Substrate temperature for concrete must be between 50°F and 110°F.

Relative humidity must not exceed 90%.

Substrate temperature must be 5°F above the Dew Point.

PRIMER 67 MIX RATIO (BY VOLUME)

Component A	1 gallon
Component B	1 gallon

PRIMER 67 POT LIFE

TEMPERATURE	POT LIFE
50°F	90 min.
75°F	60 min.
90°F	30 min.

PRIMING

Concrete: Mix the pre-measured units of **Component A with Component B**. Prime all joint surfaces with **Primer 67** at 3-4 mils WFT using a brush. Do not allow the primer to puddle. The **Caulk 100XT must be applied over tack free Primer**.

Note: If a lining or topping has been lapped into the joint, it must be primed before applying the **Caulk 100XT**.

Important - with all epoxies after priming and before each additional coat, examine the surface for amine blush (oily film). If present, remove by washing with warm water and detergent.

Caulk 100XT Pot Life & Cure Cycle

Temperature	Pot Life	Cure Time
50°F	8 hrs.	96 hrs.
75°F	4 hrs.	24-36 hrs.
90°F	2.5 hrs.	20-24 hrs.

Joint surfaces must be clean and dry before applying the sealant.

CAULK 100XT

Component A and Component B are supplied in pre-measured quantities which yield 1 gallon when mixed. Partial batches are not recommended.

Combine the **A and B Components** and mix mechanically using a slow speed drill. Slow stirring should be used until the lower viscosity **Component B** has combined with the **Component A**.

Avoid any mixing method which introduces substantial amounts of trapped air to escape prior to application. It is important to keep the lid on the container and do not disturb for 10 minutes. This will allow trapped air to escape prior to application. It is important to keep the lid on the container when the material is not being actively applied. Air exposure allows evaporation of the solvent and increases the viscosity of the material.

After initial uniform consistency is observed, mix thoroughly for an additional 1-2 minutes.

The best practice in most cases is to mask the joint before sealing to ensure neatness. **Caulk 100XT** can be applied using trowels, putty knives, spatulas or hand loaded caulking guns.

Tooling the material firmly and uniformly will compact the sealant to fill voids and optimize wetting of the joint interfaces.

Dudick construction details should be referenced for illustrations regarding the correct use of backer rods and bond breaking tape.

Observe the cure schedule and allow sufficient time before placing the area into traffic conditions or chemical exposure.

CLEANING

Use **S-10 Cleaning Solvent** to clean tools and equipment.

SHIPPING

Refer to Material Safety Data Sheets.

STORAGE

Warning: All Dudick products classified by DOT labels as either white, yellow or red labels, must not be mixed or stored together as an explosive reaction might occur. All products should be stored in a cool, dry area away from open flames, sparks or other hazards.

When properly stored in their original, unopened containers at 50°F-75°F, **Primer 67** and **Caulk 100XT** will have a six-month shelf life. Exposure to excessive heat may cause premature gelling and reduce working time and shelf life.

SAFETY

M.S.D.S: Material Safety Data Sheets must always be read before using products. **Caulk 100 XT** is intended for application by experienced, professional personnel. Dudick, Inc. can supply supervision to help determine that the surface has been properly prepared, the ingredients correctly mixed, and the materials properly and safely applied.

If materials are to be applied by your own personnel or by a third party contractor, please be sure that they are aware of the following safety precautions:



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- Exposure to resins and hardeners through direct skin contact and/or inhalation may cause severe dermatitis reactions in some people. Cleanliness of the skin and clothing is critical and must be of paramount concern.
- Fumes are flammable and heavier than air. Proper ventilation should be maintained to minimize breathing of concentrated fumes.
- Suitable respirators should be used during application.
- Safety glasses, gloves, and suitable protective clothing must be worn at all times during application.
- If contact with hardeners occurs, remove any clothing involved and flush the skin with flowing water. Discard the clothing. Do not attempt to wash and reuse it. **Caulk 100XT** may be washed off with **S-10 Cleaning Solvent**, MEK, or lacquer thinner.
- Keep open flames and sparks away from the area where materials are being mixed and applied.
- If a rash occurs, remove the individual from the work area and seek a physician's care for dermatitis.
- In case of eye contact, flush with water for at least 15 minutes and consult a physician.
- If swallowed, do not induce vomiting; call a physician immediately.

NOTE: Dudick, Inc. ("Dudick") warrants all goods of its manufacture to be as represented in its catalogs and that the manufacture of its products by its employees or sub-contractors shall be performed in a workmanlike manner. Dudick's sole obligation under this warranty shall be to replace any material which its examination shall disclose to be defective. Dudick makes no warranty concerning the suitability of its product for application to any surface, it being understood that the goods have been selected and the application ordered by the Purchaser. DUDICK, INC.

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4/22/10