

# FlexKrete

## Technologies

A div. of Protective Products, Inc.

*"You won't believe it until you see it!"*

## FlexPrime

### PRODUCT DESCRIPTION:

FlexPrime is a two component, 100% solids primer with excellent wet out properties for deep penetration. FlexPrime may be top coated or stand alone as a rust corrosion inhibitor.

FlexPrime component A is a brown colored liquid that has been chemically modified to be readily emulsifiable in water without the addition of surface active agents.

FlexPrime component B is a clear glyceryl tri-ester that will crosslink with the A component and enhance the chemical bond to FlexKrete.

FlexPrime is typically mixed as a 50/50 ratio, however, if the substrate has a high moisture content the A component can be increased to a 60% A, /40% B mix.

### SURFACE PREPARATION FOR CONCRETE:

Remove dust, dirt, oil, laitance, curing compounds, concrete sealer, etc, from surface by power wash, acid etch, grit blast or profiling equipment. The prepared surface should be clean, dry, hard/dense, and should be slightly roughened. Surface may be damp, but not saturated or ponded. On re-bar or steel surfaces, any loose rust should be removed by blast or mechanical means, then a full seal coat should be applied.

### APPLICATION:

Mixing Instructions: Combine equal parts of Part A with Part B, using a power mixer, and mix for approximately two minutes. A "buttery" looking mixture will result. Do not add new material to previously mixed parts, and do not mix more than can be used within the pot life.

Brush, roll or spray material onto the surface, working it into the substrate, leaving a smooth, thin coating, without ridges or puddles.

### ORDERING INFORMATION:

Shipping Weight:  
Wt. Per Gallon @ 77°F. 8.8 lbs.

Packaging:  
2 quart kits  
2 gallon kits

### PHYSICAL DATA:

Solids by volume	100%
Recommended Spread Rate (Wet/Dry mil-3-8 mils)	200-400 sq ft./ gal.
Mix Ratio by Volume	1:1 ratio
Flash Point	>200°F (93°C)
Weight Per Gallon (mixed)	8.8 lbs
MVT (ASTM E 96-80, perms)	8.8 lbs (4 kg)
Shelf Life Unopened Containers @ 77°F (25°C)	
Pot Life	15-20 min@ 77°F., 60% RH (Pot life will be reduced if kept in mixing container).
NOTE: If the maximum coating time is exceeded, brush blast or abrade surface before recoating.	
Tack Free (to touch)	4-6 hours @ 77°F., 60% RH
Topcoat	At heavy tack
Cleanup	Acetone
Shelf Life	1 Year

### GENERAL SAFETY & HEALTH DATA:

**Warning:** Contact with skin or inhalation of vapors may cause an allergic reaction. Avoid eye contact with the liquid or spray mist.

**Eye Protection:** Safety glasses, goggles, or a face shield are recommended.

**Skin Protection:** Chemical resistant gloves are recommended. Cover as much of the exposed skin area as possible with appropriate clothing.

**Respiratory Protection:** Use a respirator approved for isocyanates and organic vapors. Consider the application and environmental concentrations in deciding if additional protective measures are necessary.

**Ingestion:** Do not take internally. It is believed that ingestion of polymeric isocyanates would not be fatal to humans, but may cause inflammation of the mouth and stomach tissue.

Polymeric products manufactured from these chemicals may present a fire hazard if improperly used. Each user of such products should determine whether there is potential hazard in each specific application and take the necessary precautions.

### Limitations:

- This product is for professional use only.
- Minimum material/container temperature for application is 70°F. (21°C).
- Avoid moisture contamination in containers. Containers should not be resealed if contamination is suspected. CO<sup>2</sup> created pressure can develop. Do not attempt to use

- contaminated material.
- Un-dried air exposed to liquid components will reduce physical properties of the cured coating.

**Note:** The material supplied is two components (Component A/Component B) used to formulate this product. The quality and characteristics of the finished polymer is determined by the mixture and application of the two components.

**WARRANTY:**

FlexKrete Technologies has no role in the manufacturer of the finished polymer other than to supply its two components. It is vital that the person applying this product understands the product and is fully trained and certified in the use of plural component material.

FlexKrete Technologies, a Texas corporation, warrants only that the two components of this product shall conform to the technical specifications published in the product literature.

FLEXKRETE TECHNOLOGIES MAKES NO WARRANTY OF THE MERCHANTABILITY OF THE PRODUCT OR OF FITNESS OF THE PRODUCT FOR ANY PARTICULAR PURPOSE.

FlexKrete Technologies makes no warranty as to the quality of any product modified, supplemented, tinted or altered in any way after it leaves the FlexKrete facilities. FlexKrete Technologies does not warrant that this product is suitable for use as a liner for potable water containers. Use of this product in a potable water container could be hazardous to health if it is improperly processed or applied.

The liability of FlexKrete Technologies for any nonconformity of the product to its technical specifications shall be limited to replacement of the product. The sole exclusive remedy of buyer, which is to have FlexKrete Technologies replace any nonconforming product at no cost to buyer, is conditioned upon buyer notifying FlexKrete Technologies or its distributor in writing of such defect within thirty days of the discovery of such defect.

FlexKrete Technologies shall not be liable for any direct, incidental or consequential changes resulting from any breach of warranty.

The data presented herein is not intended for non-professional applicators or those persons who do not purchase or utilize this product in the normal course of their business.

The potential user must perform any pertinent tests in order to determine the product's performance and suitability in the intended application, since final determination of fitness of the product for any particular use is the responsibility of the buyer.

The aforementioned data on this product is to be used as a guide and is subject to change without notice.

The information herein is believed to be reliable, but unknown risks may be present. No warranties, expressed or implied, including patent warranties or warranties of merchantability or fitness of use, are made by FlexKrete Technologies with respect to products or information set forth herein. Nothing contained herein shall constitute permission or recommendation to practice any invention covered by a patent without a license from the owner of the patent.

Accordingly, the buyer assumes all risks whatsoever as to the use of these materials and buyer's exclusive remedy as to any breach of warranty, negligence or other claim shall be limited to the purchase price of the materials. Failure to adhere to any recommended procedures shall relieve FlexKrete Technologies of all liability with respect to the materials and the use thereof.