



# FlexKrete™

## Technologies

A div of Protective Products, Inc.



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

[www.flexKrete.com](http://www.flexKrete.com)

## FLEXNEWS

NOVEMBER 30, 2004

### ONE-TWO-PUNCH—FINISHED!

Mix Catalyst in FlexKrete for 30-60 seconds, **then**, mix in FlexTemp Additive for 30-60 seconds, **(DO NOT COMBINE THE TWO)**, **then**, add sand, and **BE READY!** Some have opened it to traffic in less than 10 minutes, depending on the temperature. Be sure to use the amounts listed on the label. Complete the job quickly, even in cold weather, and return back to traffic. **TXDOT** opened this manhole to very heavy truck traffic in approximately 20 minutes, using FlexTemp.



### DAMP CONCRETE?

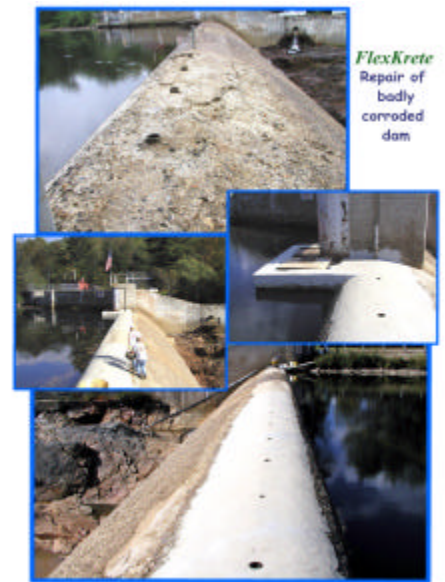
Do the job anyway...with FlexPrime! Always get surface as dry as possible, and never use it under water or on totally saturated surfaces. Mix equal parts of "A" & "B", brush or roll a very thin coat over all areas—no puddles or ridges. Allow it to become tacky (sticky).

Apply FlexKrete. **RUSTY REBAR OR METAL? Halt the corrosion.** Seal it with FlexPrime. Remove loose rust, mix equal parts of "A" & "B", brush onto surfaces, allow to tack, and apply FlexKrete, or paint with 100% solids coating. **FLEXPRIME**—for concrete or steel!



**DAM FIX.** This badly eroded, moisture-laden, 300 foot dam was repaired, using FlexPrime and FlexKrete. Erosion depth was from 1/4" to 4" deep.

**N I G H T WORK** and FlexKrete, enables the North Texas Toll way Authority (NTTA), to repair lots of areas in a short period of time, using a very minimal amount of equipment and manpower.



FlexKrete  
Repair of  
badly corroded  
dam



### POWER PLANT FLOOR

To subject a product to harsh chemical attack AND heavy mechanical abuse, usually means failure very quickly. The concrete floor below had been eaten away by a large array of acids and other chemicals. The chemical ph was about 1.5. To cut out areas and re-pour new concrete meant extensive down-times and extreme costs. FlexKrete was troweled in place at a depth of 1/2" to 3/4". A 100', one-week old, concrete sump was also lined.





## **GREG'S TECH TIPS**

1. Lowes now carries 50 lb. bags of Quickcrete brand , medium grade basting sand. One 50 lb. bag mixed with one gallon of FlexKrete, gives about a 3.7-1 mix ratio. It makes for an easy and excellent mixture.
2. Be sure to use the square mud paddles, as the round, jiffy-type mixers do not combine the materials as effectively or as quickly. Also, get the ones where the blades sit flat on the bottom of the bucket. Some have a knob or shaft on the bottom, and we have used a grinder to remove it. The liquid at the bottom will not be mixed in properly if the paddle is not flush with the bottom of the bucket. It is very important to have properly mixed material.
3. For most curb repairs, you can use less fumed silica (Cabosil). Three parts sand, one part fumed silica and one part FlexKrete works great. To match the color, less sand and more silica makes it more gray. For a tan color, use more sand. You can get a very close match this way.
4. In situations where you do not want the repair to show at all, you can clean the hole, prime just inside the edge, trowel flush to grade (no tape), then after it hardens, grind it or use the rubbing stone to clean it up. After a little exposure, it will become almost invisible. See below .

CURB & TRIP HAZARD  
REPAIR



5. Diamond cup wheels for your angle grinder make quick work out of cleaning dirty spalls and other repair areas. (You can get them cheap at [valuediamond.com](http://valuediamond.com)).
6. In cold weather, if you need FlexPrime to “tack” up quicker, first heat the concrete with a weed burner.
7. FlexSealer is a water-based material, so the cooler the temperature, and/or concrete, the longer it will take to cure. Also allow plenty of time for curing before eminent moisture. And, allow proper cure time between coats. Water-based materials are cured when all of the moisture is allowed to evaporate out. This time can vary greatly.
8. Muck Buckets (mixing buckets). Get them at the farm supply or feed stores. Some prefer the heavy rubber ones. Don’t get the ones with ridges or corrugations on the bottom, because your paddle mixer can’t get to the liquid that has settled below. FlexKrete quickly penetrates through the blasting sand and settles to the bottom, so all the material on the bottom should also be mixed evenly with the sand.
9. One of the great features of FlexKrete is its ability to penetrate and tenaciously adhere to various substrates. Because of this. we may sometimes be lax in acquiring the proper surface preparation. Ideally, the goal is to have clean, white, rough concrete, but it is not always feasible. Just remember, that the best prepared substrate will always give the very best results. Give FlexKrete every chance to succeed in those brutally demanding situations, with good cleaning practices.
10. Many have asked the question as to what is the most durable drill to use for mixing FlexKrete. There are probably several, but the one that has stood the test of time for us, is the Milwaukee Hole Hawg. It is a 7.5 amp, 1/2” drill motor with super torque power. I believe Milwaukee makes a variable speed motor in the same class that is lighter weight and a little easier to handle, however, for my money, I go with the “Hawg”.

### **THE MAN WHO COUNTS**

“It is not the critic who counts, not the man who points out how the strong man tumbled, or where the doer of deeds could have done them better. The credit belongs to the man who is actually in the arena; whose face is marred by dust, sweat and blood; who strives valiantly; who errs and comes short again and again; who knows the great enthusiasms, the great devotions and spends himself in a worthy cause; who at the best knows in the end the triumph of high achievement, and who at the worst, if he fails , at least fails while daring greatly, so that his place shall never be with those cold and timid souls who know neither victory nor defeat.”

Theodore Roosevelt