



FlexKrete
Technologies
A div. of Protective Products, Inc.
"You won't believe it until you see it!"

IBTTA
International Bridge, Tunnel and Turnpike Association



FLEXNOTES

www.flexkrete.com

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GREG'S TRAINING TIPS

Repairing a curb with FlexKrete is also excellent training for almost any vertical or overhead repair...and it's so simple to do!

Like any situation, it is best to determine what may have caused the problem initially. Usually, the cause is very apparent, as with the curb shown below. These areas generally pop out some time or another when the joint is designed into the slab but not through the curb. To repair it, the rebar needs to be severed so that the new joint can be installed all the way through the newly re-built curb. We used cardboard for the joint space and curb back, then removed it before it cured. Like any joint, this alleviates the stress point, by allowing for expansion and contraction and keeps the curb in good shape for the future. (Note: Because the median nose often takes a real beating from car and truck traffic, we have replaced many of these areas with FlexKrete, and the results have been outstanding, as FlexKrete attains greater than 10,000 psi).



To repair this curb, we used no forms, except cardboard, few tools and little time. (FlexKrete has a Tool Checklist for the completion of any job.) With just a little practice, FlexKrete can turn time-consuming, difficult work, into a quick and simple work of beauty.

Here's what you do:

1. Use FlexPrime when there is damp concrete, green concrete or rusty rebar. It blocks the moisture, penetrates, and seals the rust. Brush or roll on a thin coat and allow it to "tack" (become sticky) especially for verticals. This helps to hold the repair in place while it cures. If cat-

alyzed FlexKrete is used as the primer on verticals or overhead, it should also be "tacky" before applying FlexKrete. A little FlexTemp will make the primer "kick" by the time you can mix your material. (Do not use FlexTemp in the FlexPrime, only FlexKrete).

2. Remove the FlexKrete lid and mix well, to suspend all settlement.

3. Measure the amount of FlexKrete needed. This is determined by realizing that when the aggregate is added, your volume will be 3-4 times that amount. For this curb, the mix ratio was 1 part FlexKrete, 2 parts sand and 2 parts fumed silica. If approximately two gallons (total volume) were needed, about a half gallon of FlexKrete should be perfect. To match older, browner concrete, vary this ratio by using 1 part FlexKrete 1 part fumed silica and 2-3 parts sand. These, and other ratios may be used for various vertical work. For overhead repairs you can lighten the weight of the material by using less sand, i.e., 3 parts fumed silica and 1 part sand with 1 part FlexKrete. This will make it stay in place easier until it cures.

4. Always catalyze FlexKrete first, then, to keep it from blowing in the wind quite so much, add the fumed silica first, then add the sand on top of it while mixing. The 2:2:1 ratio will yield a "dough-like" consistency, which is perfect for "glove-hand" placing, then slice or trowel smooth.

For our fast-setting FlexTemp, be sure to mix in the standard catalyst first, then add, and mix in FlexTemp. Do not combine the two catalysts. Lastly, mix in sand.



Greg Billingsly is a professional FlexKrete Distributor. He spends much of his time training his clients in all facets of their applications, and has become very adept in "hands on" and teaching applications. Never afraid to try new techniques, his innovation and show-and-tell attitude allows his customers the very best service. Greg is working on his doctorate in FlexKreteology. He earned his masters two years ago. The above is an example of his expertise in customer training.