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**KALMATRON® KF-A <USA Patent 5,728,208 > FOR STUCCO APPLICATION
NO SCRATCH AND BROWN COATS – JUST ONE STEP APPLICATION.**

KALMATRON® KF-A added to the regular stucco mix at 17 Lbs/cu. yd. produces the strongest transformation of plaster into High Performance Mortar – the famous PLASTCRETE. There are no shrinkage cracks, sliding, or spotty coloration, with waterproofing and weather resistance, and only one-step application without curing.

As an example, below is a house, freshly coated with PLASTCRETE under an ambient temperature of over 100°F, where both three-coat and one-coat technologies were approved.



There are no defects on the continuous areas of the walls in both cases, but one-coat was ready for painting on the fourth day! Drastically shortened construction time and constantly high performance level quality is a heritage of basic KALMATRON® KF-A concepts.



Mix design is simple, as shown below. Batch was prepared by pale-shovel measurements, where a Coca-Cola can represented 1 pound of KF-A.

<i>Materials</i>	<i>Lbs</i>	<i>CF</i>	<i>Ratio</i>
Cement Type I, II	188	.95	1 : 3.75
Sand	705	4.32	
Water 12 Gallons	103.4	1.72	W/C=.55
KALMATRON® KF-A	5	.05	
Total:	1,001Lbs	7 CF	

This stucco mix is applicable for waterproofing and isolating jobs such as ponds, pools, canals, etc.



Mortar mix with added KF-A has self-reviving workability – keep mixer rotating and your mix will be workable and finishable as long as application goes.

APPLICATION

1. Apply by good old technology or any modern one by one layer to get required thickness of stucco.
2. Do not spray water on fresh stucco layer whatsoever!
3. To provide finishing, just use wet trowel but do not spray water on a stucco surface.
4. Curing is not required.

In dry weather, apply color on fourth day.



The thickness of a one-layer application varies from ¾” to 4” with equal water & weather resistance without sliding during application or cracking afterwards.

The surface of fresh stucco looks darker and juicier than it is usually with much higher surface adhesion. Forgotten trowel on a wall stays there!

SPECIAL TECHNOLOGICAL ISSUE



This is about the temperature expansion of combined or jointed different materials, which makes them incompatible under the sun heat or winter cold.

By this reason, on the East-South oriented walls some cracks may appear on some particular areas.

By the cracks appearance, they are classified by the reasons causing them:

1. Difference of thermal expansion (under the sun's heat) between stucco and plastic pipe, metal anchors, wooden frames, wires, etc. that are coming through stucco layer. For instance, we can propose to wrap these inserts with a rope or Styrofoam as a spacer between stucco and them.
2. Other cracks are longer and more directional than occurs with shrinkage, because they are caused by watering of stucco instead of trowel wetting. We recommend to wet trowel for stucco finishing but do not spill/spray water on a wall.



**John Budrecki
40148 Tesoro Lane
Palmdale, Ca. 93551**

September 15, 2006

Dear Mr. Mike Daughtry,

I would like to thank you for your suggestions and recommendations regarding the stucco on our new home, specifically for informing us about concrete additive. The product KFA seems to have minimized cracking in the scratch and brown coat. I have enclosed some pictures of the overall project and some of the largest cracks I have found. From my experience, these cracks are very minor, especially given the timeline of my project. Scratch and brown coats were completed between August 15th and September 15th where daily temperatures can rise above 100 degrees.

This custom home is the largest project that we have constructed. At over 8000 squared feet of living space, six car garage, double RV garage, and pool house, it is a very expensive project and the stucco finish is a very important part of the project. The concrete additive seems to have made the difference. We are very pleased with the performance of the additive compared to other homes in the area that have not used the additive.

Sincerely,

A handwritten signature in black ink, appearing to read "John Budrecki", written in a cursive style.

John Budrecki