EXHIBIT
USG 83

October 17, 1968

Mr. Carl Setterberg
U. S. Gypsum Co.
600 Newmarket Ave.
South Plainfield, New Jersey 07080

Dear Carl:

Thank you for your co-operation in trying to solve the dust problem on the Standard "A" material during our visit to the plant October 8, 1968. I think the trip was well worthwhile and a considerable amount of information was gained.

The cause of dust was isolated and found to be the asbestos and not as previously thought the diatomaceous earth. We also proved that by mixing up a hand sample with oil applied to the asbestos and powders combination that most of the dust can be eliminated.

While riding back to take Don Little to the airport, I remembered that a sample of Power-Kote had been picked up at your plant (hand-sample) and taken by me to Toronto where it was sprayed with the result that there was no dust during application and that this Power-Kote sample contained 30% of the same type of 6D-SP asbestos. When I returned to Miami I checked the oil content of this formulation and found it to be 2.5% oil. I also checked the correspondence and found a letter from Les Infante dated December 4, 1967 wherein he tested a competitive product Cafco Power-Shield, the results were 95.9% on the ash test confirming that our competition is also using in the neighborhood of 2½% oil.

When we tried the 2½% oil on the hand sample on Tuesday it did not perform satisfactorily but the 4.4% did. I am inclined to think that the original mixing of the oil with the ingredients of powders and asbestos was not uniform in this sample thereby reducing its effectiveness.

I think we can gain some information if you will have Les Infante mix up one bag each of the following formulations:

1. Regular Standard "A" with 2½% oil mixed with the asbestos and powders prior to blending with the mineral wool.

2. Regular Standard "A" with 2½% oil mixed to the entire blended formulation including mineral wool.

3. Regular Standard "A" using 4.4% oil applied to the combination of asbestos and powders prior to blending with the mineral wool.

4. Regular Standard "A" with 4.4% oil blended with the entire fiber mixture including the mineral wool.

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INDUSTRIAL WOOL
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This will tell us whether or not it will pay to make the equipment changes and whether it is essential that the oil goes onto the asbestos and powders only.

If you will deliver these samples to Stanley Fonfa, I am asking him by copy of this letter to spray the formulations and grade the results in a scale from 1 to 10, 1 being the amount of dust present in the "G" formulation now and 10 being the amount of dust present in the Standard "A" formulation as of now.

I have checked the asbestos spray formulation and have found that in a 500 lb. mix they use 1 gallon of No. 561 oil as manufactured Gulf Oil Co. and their ash test is a minimum of 95.0.

Also as discussed during our visit production run will be tried using the oil as presently applied but increasing the amount to double the present rate and again using triple the present rate. These samples will also be tested by Stanley Fonfa.

Yours very truly,

SPRAYON RESEARCH CORPORATION

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