

DIRECTION FOR REFINISHING ENTIRE SURFACE OF RC-3 FUEL CELL IN ORDER TO ELIMINATE POROUS CONDITION

Suspend tank, with opening at side, by lines attached to retaining clips. If the cell still retains its original pliability it should be turned inside out, a cover plate applied over each cell opening and inflated just sufficiently to give it a firm working surface (approximately 1/8 PAI).

Clean fuel cell thoroughly with Methyl Ethyl Ketone; apply with a cloth or brush, wiping off with dry cloth immediately. Repeat washing operation twice. Apply one coat of KC678 diluted 50% with Methyl Ethyl Ketone to reactivate the original material and set as a binder. Then apply two to four coats of KC678 (thinned only to brushing consistency – about a 10% dilution) inside and outside, preferably with a brush, and “flow” it on surface, avoiding going over the same surface while still tacky. (Approximately four quarts of Methyl Ethyl Ketone and two gallons of KC678 will be required if the entire fuel cell is to be refinished).

After the reversed inside is refinished in accordance with the previously stated procedure with reference to application of the special coating and is thoroughly dry, the cell should be oiled and turned inside out to its original position before the outside is treated in the same manner.

CAUTION

Allow each coat to dry thoroughly before applying the next. (Inside will dry slower than outside unless artificial ventilation is provided). DO NOT PERMIT TANK TO COLLAPSE AND WALLS TO CONTACT. If this happens, the walls will adhere to one another and the coating will become separated from the fabric when pulled apart unless the surface has been oiled as noted above. DO NOT INFLATE TANK WHILE THE KC678 IS SOFT. Allow twenty-four to forty-eight hours before testing in a tank of water (do not exceed ¼ PAI pressure) or using for fuel.

NOTE: Small porous sections can be repaired using the same basic procedure as that outlined above.

KC678 and Methyl Ethyl Ketone is procurable from Minnesota Mining & Manufacturing Company through any of the offices listed below.

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| Atlanta, Ga. | 131 Carnegie Way |
| Boston, Mass. | 51 Sleeper Street |
| Buffalo 3, New York | 210 Ellicott Street |
| Chicago 8, Illinois | 1500 So. Western Avenue |
| Cincinnati 2, Ohio | 49 Central Avenue |
| Cleveland 13, Ohio | 1200 West 9 th Street |
| Dallas 1, Texas | 212 So. St. Paul Street |
| Detroit 2, Michigan | 411 Piquette Avenue |
| High Point, N.C. | 1501 So. Main Street |
| Los Angeles 23, Calif. | 6411 Randolph Street |
| Ridgefield, N.J. | 700 Grand avenue |
| Philadelphia 8, Pa. | 401 N. Broad Street |
| Pittsburgh 19, Pa. | 911 Plase Building |
| St. Louis 1, Mo. | 3700 Forest Park |
| St. Paul 1, Minn. | 367 Grove Street |
| San Francisco 10, Calif. | 450 Alabama Street |
| Seattle 4, Wash. | 1242 6 th Avenue, South |