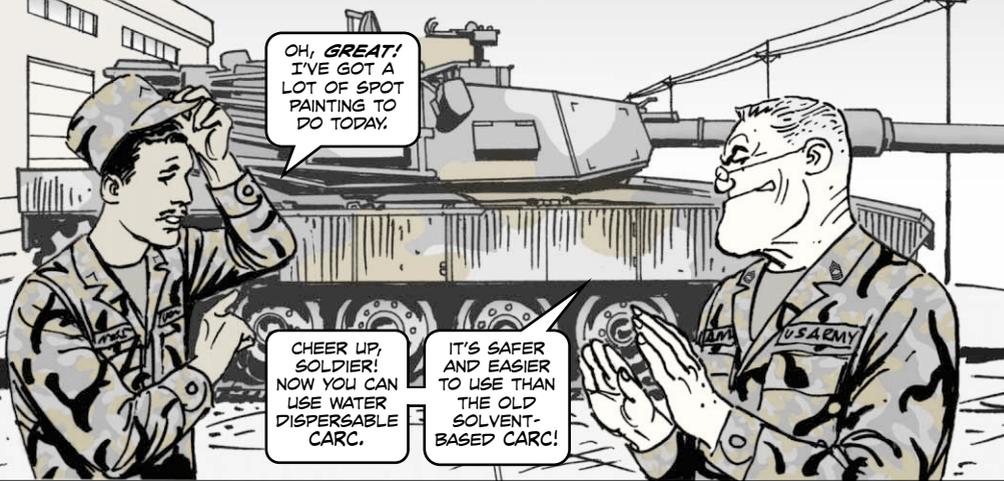


NEW CARC EASIER, SAFER TO USE



THERE'S A NEW CARC IN TOWN AND YOU'RE GOING TO FIND IT A WHOLE LOT BETTER TO USE THAN THE OLD STUFF.

IT'S CALLED WATER DISPERSIBLE (WD) CARC AND THE KEY WORD IS WATER.

WD CARC CONTAINS WATER AND IS THINNED WITH WATER.



The Differences

There are a lot of differences between WD CARC and the old solvent-based CARC. And you'll be very happy with most of 'em.

- **Solvent content.** The solvent content of WD CARC is less than half that of solvent-based CARC. It also contains no hazardous air pollutants.
- **Compatibility.** Since WD CARC is fully compatible with all existing CARC primers and topcoats, you can use it to touch up a vehicle that's been painted with solvent-based CARC.
- **Flexibility.** WD CARC is more flexible after application. That means fewer problems with chipping and cracking.



- **Mar resistant.** WD CARC is more durable and doesn't scratch as easily as the old CARC. That means less time spot painting to fix scratches and scrapes.



- **Weather resistant.** WD CARC is much more durable in all weather conditions. In fact, tests have shown that WD CARC can last up to twice as long as the old solvent-based CARC.



- **Color stability.** WD CARC doesn't fade like the old CARC. So when you do have to spot paint, you won't have to worry about the colors not matching.

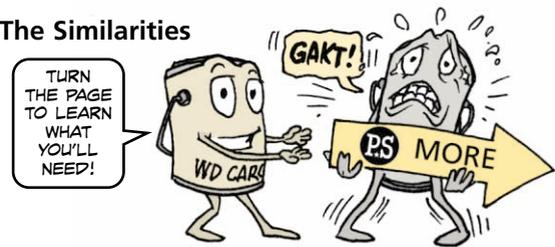


- **Cost.** WD CARC does cost a little more than the old CARC, but you won't need as much. Tests have shown that up to one-third less paint is needed during spray application.



The Similarities

Although WD CARC is water-based, the **personal protective equipment required during spray and brush application remains the same as for solvent-based CARC.**



- Clothes that cover all your skin. Coveralls work well.
- Boots and rubber gloves.
- Face shield or splash goggles to protect your eyes from paint.

• Respiratory protection. A respirator—not just a dust mask—is always required when spray painting with WD CARC. However, depending on the conditions and location for spot painting with a brush, you may or may not need a respirator. Contact your local occupational safety and health office to perform an evaluation of your work area.



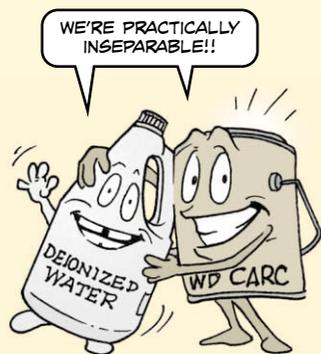
If a respirator is required, they'll do a baseline medical evaluation, fit-test you for the proper respirator and train you in its use.

Mixing

WD CARC comes in two-component kits that have to be mixed before use. The mixing ratio is two parts of component A to one part of component B.

Once the two components are thoroughly mixed, you can thin the paint by adding up to one part deionized (or distilled) water to four parts of the mixed paint. You may want to thin a little less for brush painting. Again, you must thoroughly mix the paint to ensure the water and both components are completely blended.

Be careful not to over thin with water since that will make the paint unusable.



WD CARC NSNs

There are two types of WD CARC. Type I is better than the original CARC but contains silica-based extender pigments that are almost identical to those used in solvent-based CARC.

The extender pigments in Type II are replaced by small spherical beads. These beads are the main reason for the paint's improved performance properties and make it the recommended choice.



Type I WD CARC			
Color	Federal Standard 595 No.	Kit Size	NSN 8010-01-492-
Green 383	34094	3-pt	6637
		3-qt	6638
		3-gal	6639
		15-gal	6640
Brown 383	30051	3-pt	6641
		3-qt	6642
		3-gal	6643
		15-gal	6644
Tan 686A	33446	3-pt	6645
		3-qt	6646
		3-gal	6648
		15-gal	6649
Black	37030	3-pt	6650
		3-qt	6651
		3-gal	6652
		15-gal	6654
Aircraft green	34031	3-pt	6655
		3-qt	6656
		3-gal	6657
		15-gal	6658
Aircraft gray	36300	3-pt	6659
		3-qt	6660
		3-gal	6661
		15-gal	6663

Type II WD CARC			
Color	Federal Standard 595 No.	Kit Size	NSN 8010-01-493-
Green 383	34094	3-pt	3168
		3-qt	3169
		3-gal	3170
		15-gal	3171
Brown 383	30051	3-pt	3172
		3-qt	3173
		3-gal	3174
		15-gal	3175
Tan 686A	33446	3-pt	3176
		3-qt	3177
		3-gal	3179
		15-gal	3180
Black	37030	3-pt	3182
		3-qt	3183
		3-gal	3190
		15-gal	3191
Aircraft green	34031	3-pt	3192
		3-qt	3193
		3-gal	3194
		15-gal	3195
Aircraft gray	36300	3-pt	3196
		3-qt	3197
		3-gal	3198
		15-gal	3199

WD Primer NSNs

The military specification for solvent-based CARC (MIL-C-46168) will be cancelled at the end of 2004 and officially replaced by WD CARC (MIL-DTL-64159).

Water dispersible primer is also available to prep bare metal before painting. The white primer listed is lead- and chromate-free. The light green primer is lead-free, but contains chromate. Follow the instructions that come with the primer.

WD Primer		
Color	Size	NSN 8010-01-
White	1 1/4-qt	193-0519
White	1 1/4-gal	193-0520
White	5-gal	193-0521
Light green	1-qt	218-0856
Light green	1-gal	218-7354

More Info

You'll find more information about WD CARC—including specifications and POCs—at the U.S. Army Research Laboratory web site:

<http://www.arl.army.mil/wmrd/coatings/index.html>

