

SPECIAL GUIDELINES FOR 20PLUS FUEL OIL TANKS



Manufactured by :



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1. SCOPE

This document applies to “20PLUS” oil tanks and is meant to be jointly used with the appropriate “INSTALLATION AND MAINTENANCE GUIDELINES FOR ABOVEGROUND DOMESTIC FUEL OIL TANKS” document available on the following web site: www.granbytanks.com

2. TANK HANDLING

The coating used on “20PLUS” tanks is of high performance but it is not infallible:

1. Dragging a tank on the ground will scratch the coating. Superficial scratches won't compromise the functionality of the tank or diminish the oxidation protection provided by the coating but they will diminish the aesthetics of the finish.
2. The coating is flexible enough to withstand fairly large radius deformations (induced by pressure variations in the tank) but it can delaminate or crack if subjected to small radius or sharp deformations (caused by impacts).

In conclusion, to preserve the aesthetics, functionality and corrosion protection of the high performance coating, the tank must be handled with care.

3. TANK RECEIVING

“20PLUS” tanks are stored and shipped palletized, lying on their side wall. Inspect the tank immediately upon reception. Minor dents and scratches may be repaired by following the instructions listed further in this document.

4. REMOVAL OF THE PROTECTIVE FLANGE CAPS

Before the tank installation is complete, ALL the protective caps have to be removed from the tank. Here is how to proceed:

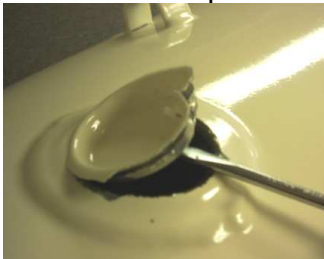
- 4.1 Using a flat screwdriver and a hammer, lightly bend the side of the cap.



- 4.2 Introduce the screwdriver between the cap and the flange



- 4.3) Using the screwdriver as a lever, remove the cap



- 4.4) If an important amount of coating is removed with the cap, repair material can be applied as described further in this document.

5. REPAIRING SERIOUS COATING DEFECTS

- Repairs needing to be done under the tank;
- Dings and scratches resulting in bare metal exposure.

5.1 Required Touch-Up material

To insure the tank integrity, it is imperative for the touch-up material to be compatible with and to adhere to the original protective coating. For these reasons, the ONLY material acceptable is the specially formulated and color matched:

“20PLUS TOUCH-UP MATERIAL” (part no. : KR0001).

This touch-up material can be found where “20PLUS” tanks are distributed.

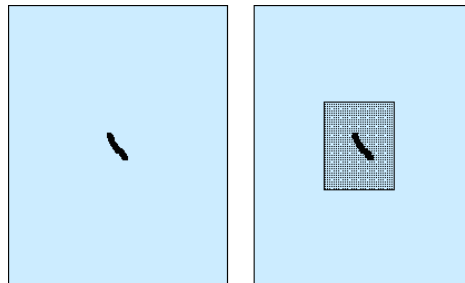
5.2 Surface preparation

Before applying the touch-up material, the surface must be clean, dry and uncontaminated. Exposed metal surfaces must be sanded to ensure a clean metal surface. Grinding of metal provide smooth surface and is not recommended; surface profile must have rough texture. Adjacent intact coating must be sanded or wire-brushed to remove coating gloss and provide rough texture. Sand paper or grinding pads with a minimum 40 grit are required.



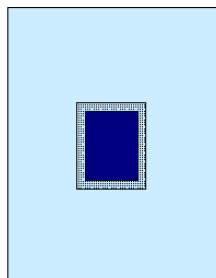
- *Sand Paper – 40 grit*
- *Sand on well bonded coating*
- *Steel surface should be rough*

As the following image shows, the coating surrounding damaged zone needs to be sanded to create a rough surface and to promote adhesion. This sanded area should be at $\frac{3}{4}$ " wide all around the defect.



5.3 Touch-up material application

Mix thoroughly equivalent amounts of part A with part B and apply immediately on the prepared surface with a putty knife or a small brush. Allow $\frac{1}{4}$ of inch of sanded coating to be exposed around of the repair.



5.4 Ultraviolet protection

This touch-up material will change color if exposed to ultraviolet-light. It will darken from off-white to yellow. This does not diminish its physical properties but only impacts its aesthetical aspect. To prevent or to correct this alteration, refer to point 6.

5.5 Setting Time

The setting time for the repair product is affected by ambient, substrate temperatures and humidity levels so will therefore vary. Once mixed, the "pot life" of this product is limited. It is therefore suggested to mix small quantities at a time.

6. REPAIRING ESTHETICAL COATING DEFECTS

Repairs needing to be done anywhere but under the tank only if bare metal is not exposed.

6.1 Required touch-up material :

Color matched aerosol paint (part no. : PE0056C) or any oil based alkyd paint.

6.2 How to proceed :

6.2.1) With a fine sand paper,

- lightly sand the surface scratches
- roughen any shiny surface to promote adhesion of touch-up paint.

6.2.2) Clean the surface with a clean rag.

6.2.3) Apply a thin coat of paint to prevent drips.

6.2.4) Let dry.

6.2.5) Apply a second coat (if needed).