

Untitled

Roger Hulett

Joined: 31 May 2004

Posts: 140

Location: South West France

Posted: Fri Aug 17, 2007 11:10 am Post subject: Petrol tank respray

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I am about to respray the tank on my 1947 FS. It does not leak and has had petrol and oil in the compartments for some time. I intend to sandblast before painting. Any advice on procedure would be very welcome. Thankyou Roger Hulett

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efr215

Joined: 06 Nov 2004

Posts: 215

Location: Leigh-on-sea, Essex

Posted: Fri Aug 17, 2007 1:31 pm Post subject:

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You could always do my tank while you're at it!

The only observation I'd make is that it is essential that the metal is primed right away. The sandblasting takes the surface right back to raw metal and even though it cannot be seen right away by the Mk.1 eyeball the surface immediately starts to oxidize and so requires sealing ASAP with a good primer or whatever system you plan to use for the best protection.

As to paints I've had excellent results with International two-pack yacht paint in the past. Even if brush applied once properly cured it can be smoothed to a very acceptable finish only limited by your time and patience. It is by design non porous, has good knock resistance and is pretty durable too.

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Erik

Joined: 10 May 2005

Posts: 410

Location: Moerdijk, The Netherlands

Posted: Fri Aug 17, 2007 8:01 pm Post subject:

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Hi Roger,

I just had my tank resprayed professionally. I described it on my website. Maybe this helps. Go to [www.flyingsquirrel.nl](http://www.flyingsquirrel.nl) , modifications, paintjob.

Cheers,  
Erik

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chstorm

Joined: 02 Aug 2004

Posts: 88

Location: Oslo, Norway

Posted: Fri Aug 17, 2007 10:16 pm Post subject:

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Hi Roger

If I were you I would avoid sandblasting the tank. Sandblasting will hammer the surface and you risk deformation. Further, a lot of tin has been used when soldering the tank, especially in the front and in the back where the fastening bolt passes through the tank walls. Sandblasting tin is not very advisable. Instead of sandblasting, blasting with glass beads and steam is a much better and much more gentle method, and will not leave a surface full of craters.

As already mentioned, the tank must be painted with a good primer immediately after blasting. Wash well with cellulose thinner and dry thoroughly, preferably with compressed air before applying primer. A modern etch-primer will be best. After sanding and preparing the surface to the best of your ability, apply a good surfacer and sand again with wet paper - type 800 and 1200. Apply surfacer again if necessary. A lot of time and patience spent at this stage is the most important contribution towards a perfect result.

Finally spray paint the dried and dust-free surface with a synthetic or acrylic paint compatible with the primer and surfacer used. These days I use acrylic paint 4 - 6 layers - then I apply the pinstriping and the transfers, and after that I apply 4 layers of clear acrylic lacquer. This gives a very strong and good-looking surface, and you can rub it and polish it without damaging the good looks - just like a cellulose lacquer.

I am just an amateur painter, but my experience is that with time and patience you can achieve an almost professional looking result.

Kind regards,

Carl Henrik Stormer  
Oslo, Norway  
Scott TT Replica 1930  
Scott DPY Flying Squirrel 1936  
Scott DPZ Flying Squirrel 1938  
Brum Scott Flying Squirrel 1958

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Roger Hulett

Joined: 31 May 2004

Posts: 140

Location: South West France

Posted: Sat Aug 18, 2007 1:03 pm Post subject:

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Hi Carl. Thanks for the info. I do not have access to glass beads and steam but I do have a large blasting cabinet. Can you recommend dry glass bead blasting and if so, what grade of glass beads would you recommend.  
Thanks Roger

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chstorm

Joined: 02 Aug 2004

Posts: 88

Location: Oslo, Norway

Posted: Sat Aug 18, 2007 3:41 pm      Post subject:

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Hi Roger,

Dry glass bead or ceramic bead blasting is OK - It may take longer time though. I would suggest round beads of medium-fine size - mesh size 100-170 (90-150 microns). The finer beads, the smoother result. Since I am no professional "blaster", I would also suggest that you contact a company that uses glass bead blasting for a second opinion. Glass bead blasting is often used for cleaning machine parts like carburetors, and is also often used to prepare surfaces before nickeling and chroming - before the final polishing.

I have had my glass bead blasting done professionally, with steam, and I know that this method is very highly regarded. There may be other SOC members who can give further information and recommendations.

Kind regards,

Carl

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Carl Henrik Stormer

Oslo, Norway

Scott TT Replica 1930

Scott DPY Flying Squirrel 1936

Scott DPZ Flying Squirrel 1938

Brum Scott Flying Squirrel 1958