



Instructions for Application of Epoxy Screen Layer

(Product ID: SCR-XXX)

Warning! Use with adequate ventilation or appropriate respiratory protection. This product is flammable; do not spray near flame, heat, or sparks.

Note! The shelf life of SCR-XXX screen layer paint is 3 months.

Directions:

1. Add the entire contents of part A to part B and shake (stir) vigorously. Allow the mixture to sit 30 minutes before spraying. Once mixed the paint should be used within 8 hours. Storing the mixture in a refrigerator will keep it liquid and useable for a few days. If only a fraction of the kit is needed mix part A to part B in the ratio 1:1 (w/w).

For use with FIB-based paints, the following procedures are recommended:

2. Clean the model, and a small test piece. We suggest acetone or alcohol on wipes.
3. Test your spray method on the test piece. Keep the sprayer about 12 inches (30 cm) away from surface while spraying.
4. Spray the model with approximately 6 coats (1 coat = 2 passes of the sprayer). This screen layer paint wets the surface so spray lightly to prevent dripping. Dark undersurfaces or blemishes may require additional coats. The screen paint is dry to the touch in 15 minutes. The sprayer can be cleaned by flushing it with acetone.
5. Allow the paint to dry at room temperature for 2 hours.
6. It is recommended that the paint be cured at high temperature (90^o C) for at least 4 hours. Alternatively, the paint will cure at room temperature (~ 25^o C) over a few weeks.

Important! The use of FIB based PSP over uncured or insufficiently cured screen layer will result in the PSP manifesting a high temperature sensitivity to its pressure response and corruption of the pressure response calibration.

7. After the curing process, the surface should be abraded lightly with silicon carbide wet/dry sanding paper (600 grit). Wipe away abraded material with soft cloth wetted with methanol or ethanol. After allowing the alcohol to dry, the FIB-based paint can be applied.

Removing the paint:

Acetone on wipes can be used to remove FIB-based paint from the top of the screen layer without damaging it. The screen layer can be removed with dichloromethane.

Caution! Dichloromethane can damage the surface of most plastics!

Please contact ISSI if you have any paint questions:

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