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Repair Procedure for Novocoat Epoxy Systems

This document addresses the necessary procedure(s) to repair Liquid Ceramic Epoxy Systems on both steel and concrete substrates for small areas $\leq 40/\text{in}^2$. Any repair area more extensive than this should be treated as a new surface, i.e. re-blast to the specified standard and apply in accordance with the original specification. Contact Ergon Technical for large areas.

STEEL REPAIRS

- The area to be repaired must be clean and dry. Suggest referring to SSPC-SP1 as a guideline.
- Immersion Service: Check that Soluble Salts are within the acceptable levels.
- Remove any corrosion and or unsound coatings back to a sound coating with a firm smooth edge by means of either:
 - Abrasive blasting (to achieve the profile specified for new substrates)
 - Hand tools such as a Bristle Blaster, disc sander, grinder, etc to the specified SSPC-SP standard and blast profile.
- Any pits which do not require re-welding should be prepared by cone shaped grinder.
- Any weld defects should also be repaired as per original specification.
- Abrade any coated area immediately surrounding the repair to provide "tooth" for subsequent paint application.
- Apply the paint system in accordance with our written recommendations.
- If small areas are involved and application is by brush, several coats may be necessary to achieve the correct dry film thickness.
- Holiday Test repaired areas before returning coating to immersion service.

CONCRETE REPAIRS

- The area to be repaired must be clean and dry. Suggest referring to SSPC-SP13/NACE 6 as a guideline for this and additional surface preparation.
- Remove unsound coatings and or concrete down to a sound substrate with a firm edge by mechanical means
- Repair any voids in concrete as per original specification
- Abrade any coated area immediately surrounding the repair to provide "tooth" for subsequent paint application.
- Apply the paint system in accordance with our written recommendations.
- If small areas are involved and application is by brush, several coats may be necessary to achieve the correct dry film thickness.