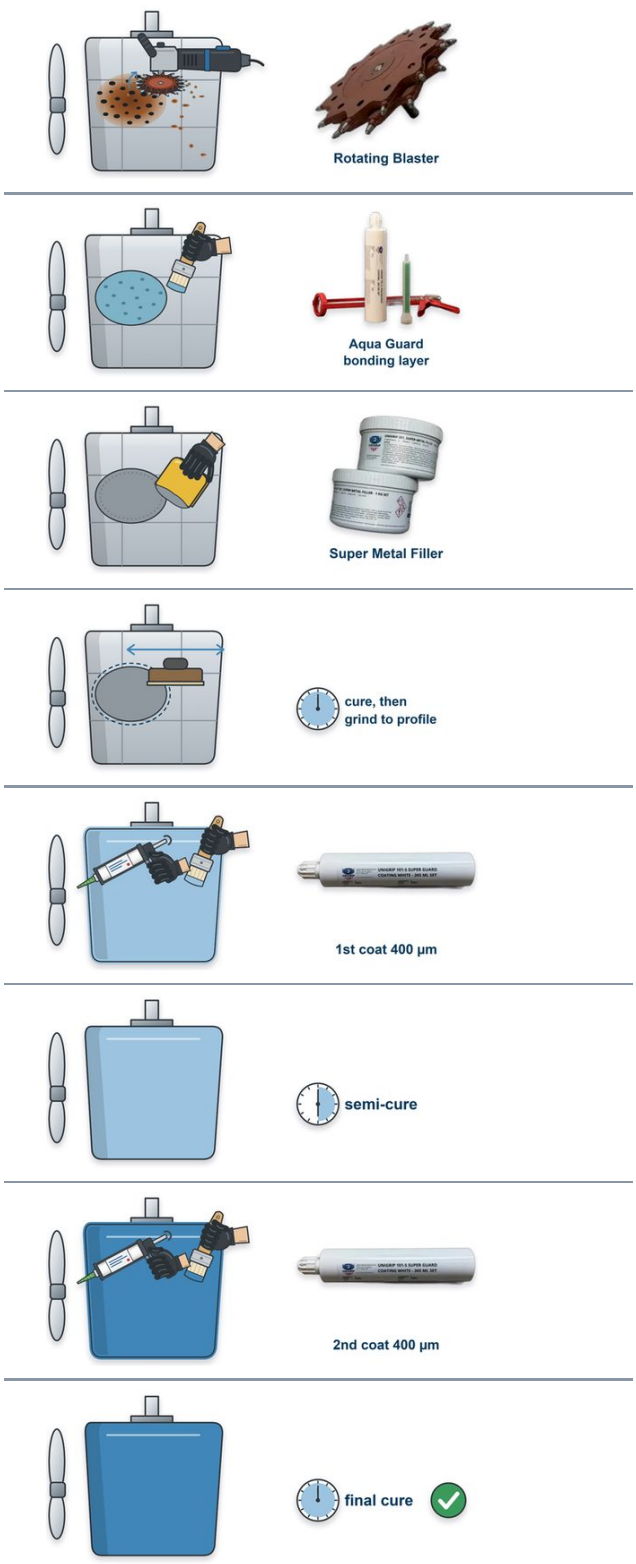
Rudder - Cavitation damage



Rebuild cavitation-damaged rudder surfaces, restore the profile and apply heavy-duty protection.

1. Inspect and complete any required steel repairs. Grit blast to Sa 2½, min. 40 µm profile.

2. Apply a thin bonding layer of SepcoTech Aqua Guard, worked into the profile and pits.

3. Rebuild the damaged areas with SepcoTech Super Metal Filler, slightly above the original profile.

4. Allow curing and grind to the original hydrodynamic profile with smooth transitions.

5. Apply a stripe coat of SepcoTech Super Guard, followed by the first full coat - 400 µm DFT.

6. Allow semi-curing.

7. Apply a second stripe coat and the second full coat - 400 µm DFT (800 µm in total).

8. Allow final curing. Inspect the profile and coating before service.

Note: Cavitation is repeated mechanical impact, not only corrosion. A tough, well-bonded repair is more durable than the hardest material.

Includes AI generated images