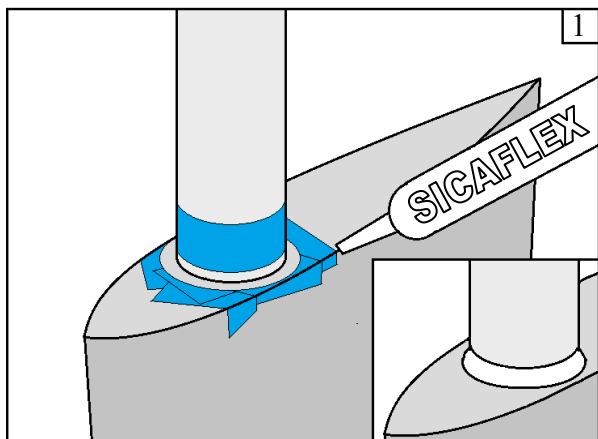


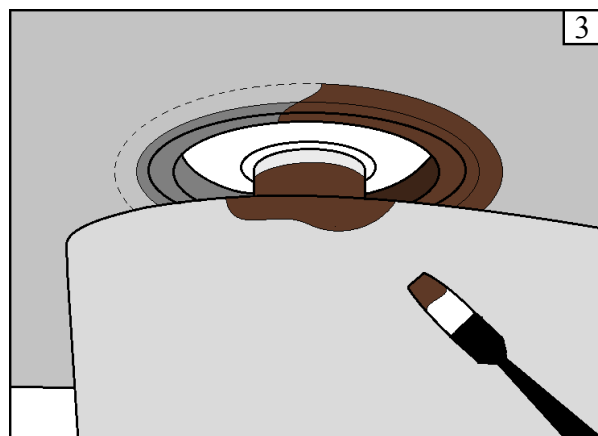
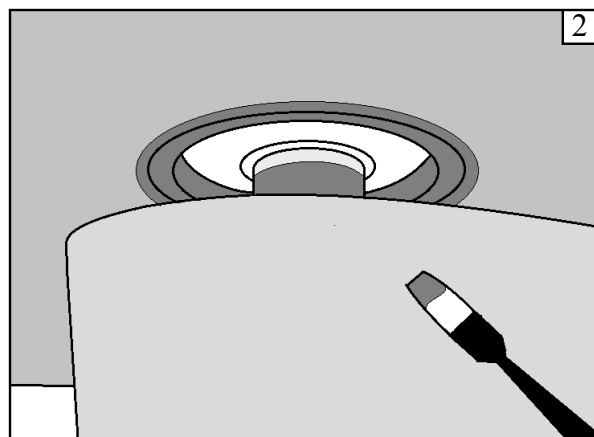
# ANTI-FOULING INSTRUCTIONS FOR RUDDER BLADES AND BEARINGS



A filled of sicaflex should be present between the rudder stock and the top of the rudder blade. New deliveries of rudder blades already have this edge of sicaflex, but in time it could be necessary to renew this. Existing rudders should be checked for this fillet. Due to temperature changes and forces, there could be small movements between the glass fibre of the blade and the rudder stock material. Without this sealant water could run into the rudder blade with destructive consequences.

Before any anti-fouling can be applied to the new rudder blade it should first be treated with a non-water penetrable epoxy coating. This will prevent water entering in the gel coat and underlying GRP structure. Old rudders should be cleaned from anti-fouling residues, dirt and marine growth and thoroughly degreases.

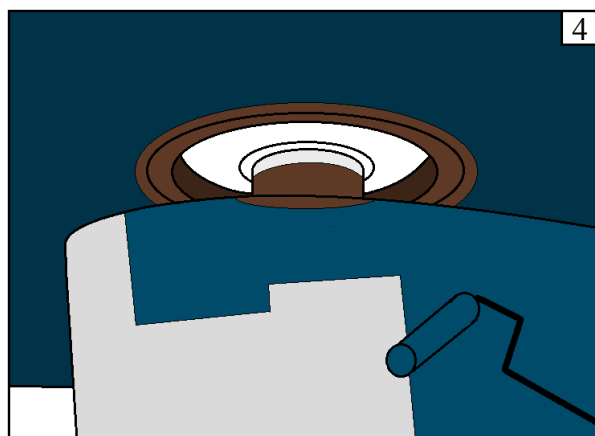
Before anti-fouling can start, all metal surfaces have to be prepared with an epoxy primer. Following the same procedure as instructed for aluminium propeller sail drives could be very helpful. This primer will give the surfaces a much better protection in the hostile seawater environment. Please be careful to not primer too far inside the bearing so it could run into the rollers.



Before applying anti-fouling to the hull and rudder blade special non-metallic anti-fouling should be used. Products designed for sail drives and propellers are the best to use. When metal consisting anti-foulings are in contact with the rudder shaft and bearings, severe electrolysis could occur with devastating results. (see web page [www.jefa.com/electro-f.htm](http://www.jefa.com/electro-f.htm) for more info). Keep 3-5 cm clear of any metal parts with the hull anti-fouling.

You can now proceed with the anti-fouling of the hull and rudder blade. Be very careful to not cover any previously anti-fouled metals and make sure there is absolute no contact (with a safety distance of 3-5 cm) between the anti-fouling of the hull and rudder blade.

*Jefa Rudder*  
S Y S T E M S



In case of any doubt please contact Jefa Marine via [www.jefa.com](http://www.jefa.com)