

Adhesion of Yanmar Sail Drive Sealing Rubber to Fibreglass and Aluminium Yacht Hulls.

We have carried out extensive testing of adhering the Yanmar Sail Drive Rubber to both Fibreglass and Aluminium substrates with FixSeal+ MSP190, and have found the following procedures to be fit for the purpose of adhering your Sail Drive Seal.



Abrade the rubber surface with 26-40 grit sand paper in multiple directions, also turn over and adhere the other side around the tapered edges only.



Sealants, Adhesives & Tools

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Do not at any stage wipe the rubber down with any solvents or alcohol as this is detrimental to adhesion. No cleaners on the rubber at any stage.

Boat Substrate:

Fibreglass/Gel Coat/Paint or Aluminium/Paint.

Abrade the surface with 80-100 grit paper to take off the shine from the substrate surface and wipe the boat substrate down with Acetone, wait for the solvent to flash dry.

Note again:

DO NOT USE ANY SOLVENT ON THE SAIL DRIVE RUBBER AT ANY TIME.

Dry fit the rubber sail drive to mark out the perimeter of the rubber 30mm beyond with a pencil.

Applying FixSeal+ MSP190 to the Rubber Boot and Boat Substrate.

1. Wear rubber gloves to keep hands clean
2. Apply the FixSeal+ MSP190 directly to the rubber boot inside face with a fine tooth trowel say with 2mm high teeth. Screed the MSP190 liberally over the rubber bonding area and up to the edge of the rubber,
3. Also screed the same amount onto the boat surface to be adhered too.
4. Lift the Sail Drive Rubber into position and gently press home all over making sure you are squeezing some of the product out past the edge around the rubber perimeter until a smooth shape is formed.
5. Smooth the excess FixSeal+ MSP190 around the perimeter and over the outer edge of the rubber and smooth down to a feather edge with an appropriate tool sealing the rubber edge under the FixSeal+ MSP190.
6. Once the Fixseal+ MSP190 has covered the transition edge from boat hull substrate to rubber boot edge you can smooth out this section by using a "Window Cleaning Solution such as Windex" to create a smooth finish.



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7. Leave to fully cure for a minimum of 5 days before immersing in water or applying external load or peeling stress to the rubber.

Typical smooth finish between boat hull and Yanmar rubber seal.

On Fibreglass



On Aluminium.



This information has been compiled from testing and is done in good faith.

Yours Faithfully

Simon Hutchinson,
Fixtech Marine Solutions



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