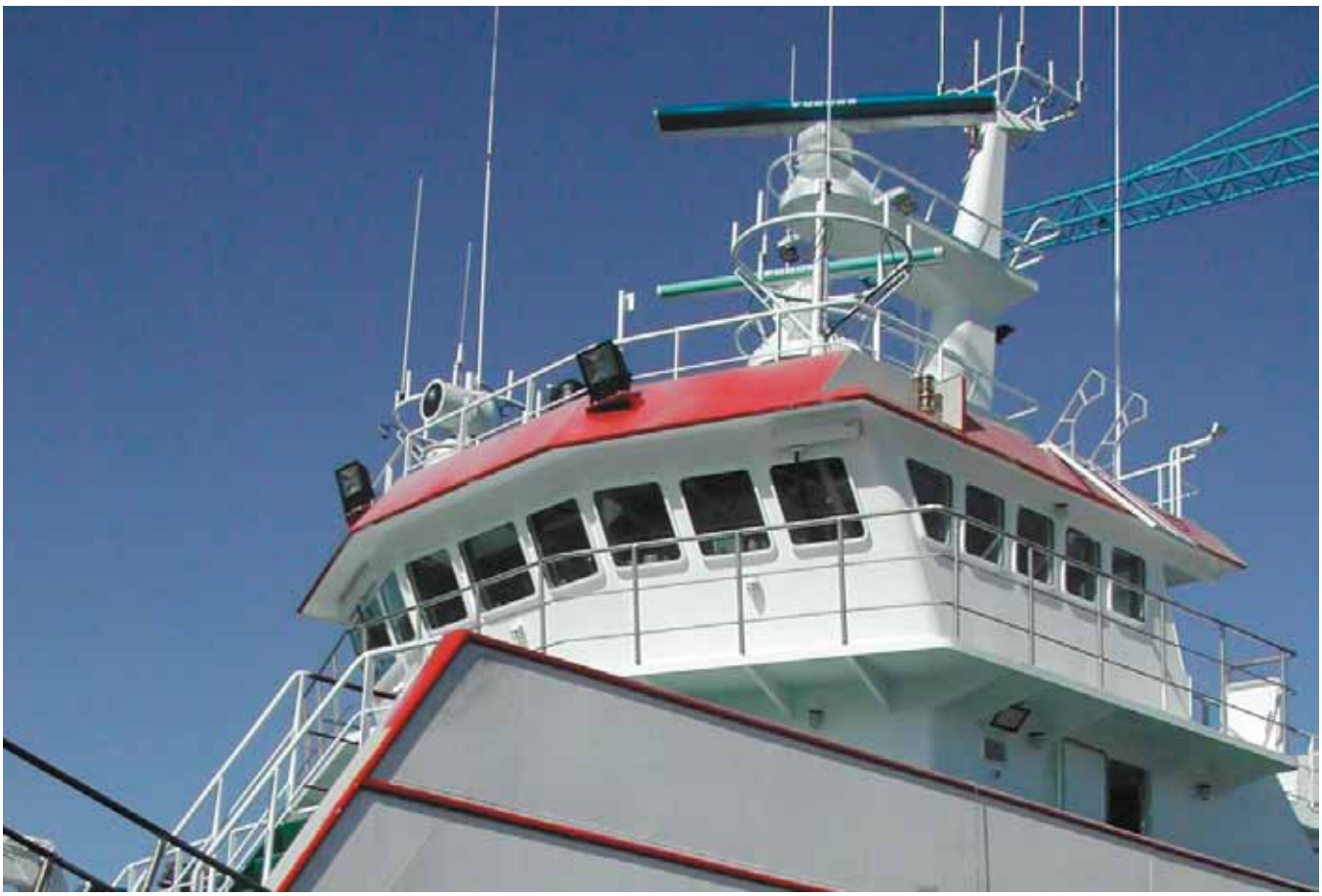
Bedding and Sealing of Fittings and Hardware



Description and Application

All kinds of deck fittings and hardware need to be securely fixed and totally watertight. Some of these fittings can be subject to very high forces and torsional stresses.

Poorly sealed joints can suffer serious damage such as metal corrosion, osmosis and water leaks which, in turn, can cause damage to interior furnishings and fittings.

Bedding and Sealing of Fittings Subject to High Mechanical Stresses

Deck fittings such as chain plates, winches and guide rollers must absorb very high dynamic stresses. For this purpose a high-performance product, such as Sikaflex®-292, should be used in conjunction with additional mechanical fixings.

Bedding and Sealing of Fittings Subject to Minimal Mechanical Stresses

Deck fittings, such as ventilators and cover strips, need to be waterproofed, but are not subject to high tensile or torsional stresses.

These fittings can be effectively bedded and sealed with only Sikaflex®-291 or if the joint remains visible, the use of Sikaflex®-295 UV is recommended.

It is vital to ensure that the adhesive is not simply squeezed out again when the fixing screws are pulled up tight. To prevent this happening, spacing shims about 1mm thick should be threaded over the screws on the underside of the fitting. The screw holes should also be filled with sealant prior to fixing

Spacing the fitting off the deck by 2-3 mm in this way also facilitates its removal at a later date by leaving enough space for a cutting wire or knife blade to be inserted between the base of the fitting and the deck

Bedding and Sealing Fittings and Hardware

Substrate Preparation

Timber Decks

	Abrade the contact area on the deck with a sanding pad (80/100 grit)
	Remove the dust with a vacuum cleaner
215	*Apply a thin, continuous coat of Sika® Primer-215, using a clean brush or a felt applicator.*
	Drying time: Sika® Primer-215 - 30 minutes (min) to 24 hours (max)

Aluminium Decks (Painted)

205 Aktivator	*Pretreat the substrate with Sika® Aktivator or Sika® Aktivator 205, using a clean, lint-free rag or a paper towel. Change the rag frequently!*
	Flash-off: 10 minutes (min) to 2 hours (max)

Brass and Bronze Fittings

205 Aktivator	*Pretreat the substrate with Sika® Aktivator or Sika® Aktivator 205, using a clean, lint-free rag or a paper towel. Change the rag frequently!*
	Flash-off: 10 minutes (min) to 2 hours (max)
210	*Apply a thin, continuous coat of Sika® Primer-210, using a clean brush or a felt applicator*
	Drying time: 30 minutes (min) to 24 hours (max)

Aluminum and Stainless Steel Fittings

	Lightly abrade the contact area with a very fine sanding pad
205 Aktivator	*Pretreat the substrate with Sika® Aktivator or Sika® Aktivator 205, using a clean, lint-free rag or a paper towel. Change the rag frequently!*
	flash-off: 10 minutes (min) to 2 hours (max)
206 G+P 210	*Apply a thin, continuous coat of Sika® Primer-210 or Sika® Primer-206 G+P, using a clean brush or a felt applicator*
	Drying time: 30 minutes (min) to 24 hours (max)

For the preparation of other substrates, please rrefer to the Primer Chart available at www.sikaindustry.com.

Applying Sikaflex®-291, -292 or -295 UV Adhesives

	Mask the surrounding area before priming and sealing
	These adhesives should be applied to the deck and to the screw fixing holes in a bead of the required thickness. The fitting should then be pressed into position
	The fixing screws should be tightened sufficiently to pull the fitting down on to the spacers, but no more
	Use a plastic spatula to remove excess sealant squeezed out around the edges and remove the masking tape
	After 24 hours tighten the screws

Do not use Sika® Aktivator or or Sika® Aktivator 205 any other cleaning agent or solvent for cleaning purposes

Fig. 74 Applying Sikaflex®-292

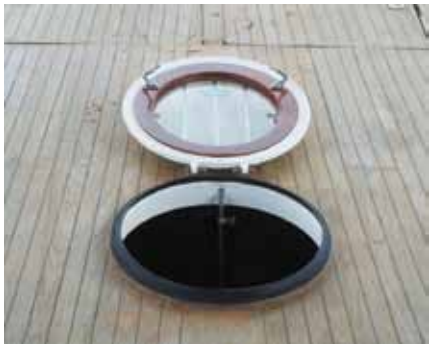


Fig. 75 A port-hatch, both bonded and sealed using Sikaflex®

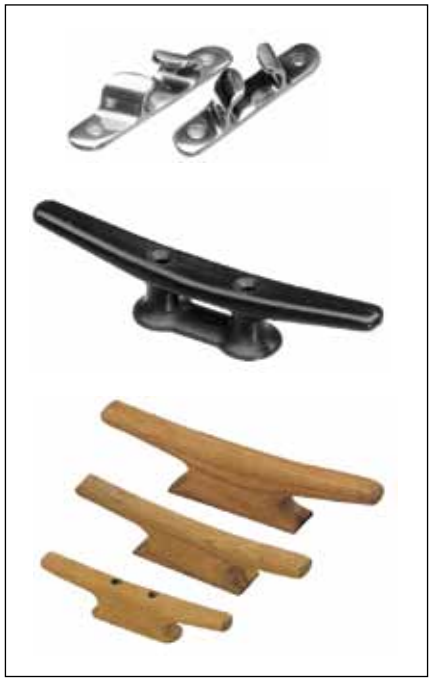


Fig. 76 A selection of cleats that can be sealed or bonded using Sika adhesives