Bedding and sealing fittings and hardware

GENERAL DESCRIPTION

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, such as tensile, torsion and shear stresses. Poorly sealed joints can suffer serious damage such as metal corrosion, osmosis and water leaks which 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®-292i, 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 torsion stresses.

These fittings can be effectively bedded and sealed with Sikaflex®-295.

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
SMM	Apply a thin, continuous coat of Sika® MultiPrimer Marine using a clean brush or a roller felt applicator.
	Drying times: Sika® MultiPrimer Marine 30 minutes (min) to 24 hours (max)

PAINTED DECKS

SA 100	Pre-treat the substrate with Sika® Aktivator-100, using a clean, lint-free rag or a paper towel. Change the rag frequently!
	Flash-off: 10 minutes (min) to 2 hours (max)

BRONZE, BRASS OR STAINLESS STEEL FITTINGS

	Slightly abrade the contact area with a very fine sanding paper or abrasive pad
SA 100	Pre-treat the substrate with Sika® Aktivator-100, using a clean, lint-free rag or a paper towel. Change the rag frequently!
	Flash-off: 10 minutes (min) to 2 hours (max)
SMM	Apply a thin, continuous coat of Sika® MultiPrimer Marine, using a clean brush or a felt applicator
	Drying time: 30 minutes (min) to 24 hours (max)

For coloured metals please use only Sikaflex®-295 UV or Sikaflex®-591.

ALUMINUM FITTINGS

	Lightly abrade the contact area with a very fine sanding paper
SA 100	Pre-treat the substrate with Sika® Aktivator-100, using a clean, lint-free rag or a paper towel. Change the rag frequently!
	Flash-off: 10 minutes (min) to 2 hours (max)
SMM	Apply a thin, continuous coat of Sika® MultiPrimer Marine, using a clean brush or a felt applicator
	Drying time: 30 minutes (min) to 24 hours (max)

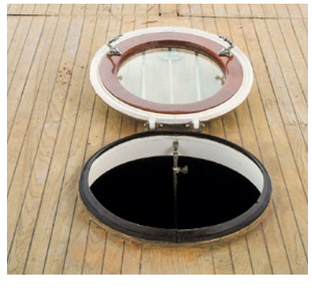
APPLICATION OF Sikaflex®-291i, -292i OR -295 UV ADHESIVES

	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 slightly to leave about 1 mm of adhesive under the fitting
	Use a plastic spatula to remove excess sealant squeezed out around the edges and remove the masking tape
	After 24 hours tighten the screws

IMPORTANT:
For the preparation of other substrates, please refer to the Sika Pre-Treatment Charts for Marine Applications.

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

Applying Sikaflex®-292i



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