



Fix300 (MSP300) DECKFIX

Fix_{300(MSP300)} Deckfix is a one-component low viscosity high strength bedding and bonding sealant that is chemically neutral and fully elastic.

Fix300(MSP300) Deckfix, is designed for the following bonding and sealing applications:

- Traditional Teak Deck bonding,
- Marine Deck 2000, and other cork marine decks, Aquadek, Seacork etc.
- Flexiteek, PVC synthetic teak decks
- Esthec, composite teak decks
- Marine Ply that is sealed.

Fix300(MSP300) Deckfix is a low viscosity product and is ideal for full surface bonding of many materials where a tough flexible rubber with high adhesive strength is required.

Fix300(MSP300) Deckfix is UV stable with no chemical bubble formation, and is suitable for above and below water line applications. Ideal adhesive sealant when cured for exposure to fresh water, seawater, diluted acids, hydrocarbons and mineral oils.

Fix300(MSP300) Deckfix is suitable for bonding teak decks, synthetic timber, foam core and marine plywood on fibreglass, and fibreglass to fibreglass, aluminium and metal supports. Due to its properties of elasticity and tenacity it also is an excellent adhesive acting as an absorber against vibrations, expansions impacts and shocks.

PREPARATION OF SUBSTRATES:

FIBREGLASS SUBSTRATES

Roughen surface with abrasives and remove any anti slip flooring nodes and all residual dust. Degrease the substrate, with acetone or a good quality industrial alcohol cleaner by clean rag, and allow to dry (Do not use Paint Prep.). Keep the substrate surface clean and free from dust and other foreign materials before applying Fix300(MSP300) Deckfix Adhesive Sealant.

STEEL AND ALUMINIUM SUBSTRATES

Roughen surface with coarse-grained abrasives and



remove all residual dust. Degrease the substrate with 100% industrial alcohol cleaner or methylated spirits by clean cloth, and allow to dry (do not use Paint Prep.) Keep clean and free of dust and other foreign materials before applying Fix300(MSP300) Deckfix Adhesive Sealant.

TIMBER AND OTHER POUROUS SUBSTRATES

Abrade (sand) substrate area and remove all residual dust. Make sure that the existing substrate timber is dry. To avoid future problems we always recommend the existing timber or porous substrate be sealed therefore we recommend that Fixtech Timber Primer PR10 or a suitable alternative timber primer such as International Timber Primer 2K Everdure, be applied to this substrate to seal by brush application, and allow to dry. Keep the surfaces clean and free of dust and other foreign materials before applying Fix300(MSP300) Deckfix On particularly dry porous surfaces it is recommended to apply a second coat of Fixtech Primer PR10 after 30 minutes and wait about 30 min before proceeding.

Fix300(MSP300) Deckfix In case of irregular surfaces a levelling operation is necessary before applying the adhesive in order to avoid water accumulation and subsequent corrosion under the deck.

Application of Wet on wet and wet on dry is excellent using Fix300(MSP300) Deckfix as the filling compound.

Fix300(MSP300) Deckfix can be allowed to cure if

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you wish before applying the bonding layer.

PROPERTIES

CHARACTERISTICS	
COLOUR	White
CONSISTENCY	Stable Paste
CURING SYSTEM	Moisture Cure
SPECIFIC GRAVITY	1.31 g/cm ³
HARDNESS SHORE A	35 + 5
ELONGATION AT BREAK	335%
TENSILE STRENGTH @ BREAK	>1.44 N/mm ²
SHEAR STRENGTH @ BREAK	>1.00N/mm ²
SKIN TIME (23°C - 55% RH)	45min
CURING RATE (23 °C - 55% RH)	3-4 mm in 24h.
TEMP RESISTANCE	From - 40°C to + 90°C
PACKAGING	600mL sausage
SHELF LIFE @23°C Dry	Sausage: 15 months

DECKING PREPARATION

TRADITIONAL TEAK DECK PREPARATION

Grind the back of the teak deck to bring new teak to the surface, brush clear the back of the teak with a stiff broom or cloth and vacuum clean until all dust and debris has been cleared. With a clean wet cloth soaked in clean water wipe down the back of the teak area lightly taking away and residue dust that may have accumulated, turning and changing the cloth regularly. Do not apply Fix300(MSP300) Deckfix until the teak deck is dry. Now the clean fresh teak is exposed and is ready for bonding. No primer is required for this application.

MARINE DECK 2000, SEACORK, AQUADEK AND OTHER PROPRIETARY CORK FLOOR SYSTEMS PREPARATION

Lightly sand or grind the back of the cork deck to bring up new surface material if it has been lying around, otherwise ensure the back of the cork deck is free of oils, grease, dust, debris and any other contaminants that could act as a release agent. Now the cork is ready for bonding. No primer is required for this application.

FLEXITEEK, AND COMPOSITE MANUFACTURER ALTERNATIVE MARINE DECK SYSTEMS.

Proprietary PVC marine decks such as Flexiteek require you to turn over the Flexiteek deck and inspect it for any oils or release agents. We recommend that you Manually cross grain sand the underside of the Flexiteek perpendicular to the underside grooves with a block of timber wrapped with 36 or 48 grit sand paper. Just drag the sanding block over the underside of teak to create a roughening.

Brush and vacuum clean any dust or debris and wipe clean (don't power sand), then wipe down with 100% industrial alcohol cleaner or methylated spirits. Do not use acetone unless allowed to by the Flexiteek or PVC alternative installation manual. Now the Flexiteek or Composite marine deck is ready for installation. No primer is required for this application.

Note: Fix300(MSP300) Deckfix cannot bond to PE or PP or Teflon coated surfaces without the need for a Plastic Primer PR20. For more information please contact you're nearest Fixtech Office. See www.fixtech.com.au or www.fixtech.asia.

INSTRUCTIONS FOR APPLICATION

Cut the end of the Fix300(MSP300) Deckfix 600mL sausage behind the steel clip.

With 2 hands grab the sausage and squeeze out the amount you require and can work with, using a 2mm -4mm notch trowel or spatula spread the MSP300 over the substrate covering the entire area to be bonded.

With rigid decks being adhered such as traditional prefabricated teak decks and some composite rigid deck systems it is best to apply a coating of Fix300 (MSP300)Deckfix to both surfaces to ensure good adhesion to each other.

Flexible decks such as Flexiteek do not require adhesive on both sides as these are rolled into position and good connection between the adhesive and underside is easily possible. Rollers are used to ensure the adhesive is pushed up into the Flexible deck underside grooves.

All decks should be kept out of the direct sun until the Fix300(MSP300) Deckfix is fully cured.

After 24 hours the Traditional teak decks and cork decks can be walked over safely and weights removed. The Flexible PVC deck should be left for minimum 48 hours to ensure deck stability during curing. This deck should be kept out of the direct sun (if hot climate) for 7 days, if the climate is cooler this may not be required, but note the adhesive sealant will cure at a slower rate.

All decks and Individual planks must be positioned a maximum of 30 minutes from adhesive laying and kept in position with clamps, weights, secret screws or by positioning weights on the deck. Cover the marine deck with plywood or MDF to protect the deck from workers foot traffic if required.





CLEANING OF TOOLS OR SURFACE WITH UNCURED Fix300 (MSP300) Deckfix

Use 100% industrial alcohol cleaner or methylated spirits to clean tools or surfaces with spilt uncured adhesive sealant, just be careful to clean area carefully without contact with any finishing sealant.

TOOLING AND FINISHING WITH Fix300(MSP300) Deckfix

To create that ultra smooth finishing look apply a diluted soapy solution such as dishwashing liquid (Diluted) to the surface and wipe gently. Always use masking tape, (Best is Fine Line Tape) to contain the area the sealant will seal.

REPAIR:

Fix300(MSP300) Deckfix can always bond to itself (wet on wet or wet on dry)

Friendly warning:

Do not apply Acetone to unfinished fibreglass composite as a pre cleaner, as it may reactivate the resins making the fibreglass sticky and will prevent adhesion. If the surface is sticky wait until the surface is completely dry sand/abrade the surface again and clean down with an industrial alcohol cleaner or methylated Spirits. We do not recommend the use of paint preparation solvent as it may contain oil or wax residue.

