



## DECKFIX MSP300 PROPERTIES

**DeckFix MSP300** is a one-component low viscosity, high adhesive strength sealant that is based on MS Polymer® and is chemically neutral and fully elastic. With the superior mechanical properties of DECKFIX MSP300 the product is ideal for full surface bonding of many materials where a tough flexible rubber with high adhesive strength is required.

**DeckFix MSP300** is stable with no bubble formation, and is suitable for above and below water line applications. It is an ideal adhesive sealant when cured, for exposure to fresh water, sea water, diluted acids, hydrocarbons, and mineral oils.

**DeckFix MSP300** is suitable for direct bonding of timber teak decks, Flexiteek™ PVC marine decks and Stazo Marine Deck 2000® timber on to primed or sealed marine plywood or timber decks or fibreglass, carbon fibre, aluminium and metal substrates. Due to its properties of elasticity and tenacity it also acts as an absorber against vibrations, expansions impacts and shocks.

## CHARACTERISTICS

<b>COLOUR</b>	Grey
<b>CONSISTENCY</b>	Stable Paste
<b>CURING SYSTEM</b>	Chemical moisture cure
<b>SPECIFIC GRAVITY</b>	Approx. 1.31 g/cm <sup>3</sup>
<b>HARDNESS SHORE A</b>	35
<b>ELONGATION AT BREAK</b>	335%
<b>TENSILE STRENGTH AT BREAK</b>	2.44 N/mm <sup>2</sup>
<b>SKIN TIME (23°C - 55% RH)</b>	10min
<b>CURING RATE</b>	3mm/24hr at 23 °C /75% RH)
<b>TEMP RESISTANCE</b>	- 40°C to + 90°C
<b>PACKAGING</b>	600mL sausage, 5kg Pail
<b>SHELF LIFE</b>	18 months unopened, stored in a cool, dry place.

### PREPARATION OF BOAT SUBSTRATES:

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.

### FIBREGLASS SUBSTRATES

Roughen surface with abrasives and remove all residual dust. Degrease the substrate with acetone or a good quality alcohol cleaner by clean rag, and allow to dry. Keep the substrate surface clean and free from dust and other foreign materials before applying DeckFlex **MSP300** Adhesive Sealant. Do not apply DeckFix MSP300 if the substrate has been reactivated wait until completely recurred.

### STEEL AND ALUMINIUM SUBSTRATES

Roughen surface with coarse-grained abrasives and remove all residual dust. Degrease the substrate with acetone or a good quality alcohol cleaner by clean rag and allow to dry. Keep clean and free of dust and other foreign materials before applying **DeckFlex MSP300** Adhesive Sealant.

### TIMBER SUBSTRATES

Light sand area and remove all residual dust. Make sure that the timber is dry, flat and existing decking is securely adhered or fastened to the boat structure below. Apply **Timber Primer PR10** by brush or clean cloth, and allow to dry. Keep the surfaces clean and free of dust and other foreign materials before applying **DeckFlex MSP300**. On particularly dry porous surfaces it is recommended to apply a second coat of primer after 30 minutes and wait about 2 hours before proceeding with the subsequent operations.

### IMPORTANT

*The above listed information and prescriptions, corresponding to our knowledge and experience, are to be considered as an indicative advice and should be confirmed each time by practical applications.*

## DECKING PREPARATION

### TEAK PLANKS OR COMPLETE PRE-MANUFACTURED TEAK DECKS

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 to dislodge and clumps of dust and debris, and wipe down with a clean cloth until all dust is removed. Lightly pour some acetone in clean cloth, NOT DIRECTLY ON THE TEAK and wipe down the surface lightly taking away any residue surface oils. Do not apply the DeckFix MSP300 until all the acetone has flashed off wait 30 minutes.

### CORK PLANKS OR COMPLETE PRE-MANUFACTURED CORK DECKS,

Proprietary Cork floors such as Stazo Marine Deck 2000<sup>®</sup> and Aquadeck<sup>®</sup> and other high quality marine cork based floors.

Lightly grind the back of the cork deck to bring new cork to the surface, brush clear the back of the cork with a stiff broom to dislodge and clumps of dust and debris, and wipe down with a clean cloth until all dust is removed. No primer is required to the rear surface of the cork decking.

### PVC TEAK DECKS SIMILAR TO FLEXITEEK<sup>™</sup> MANUFACTURED MARINE DECKS,

Proprietary PVC marine decks such as Flexiteek<sup>™</sup>.

The back of the Flexiteek<sup>™</sup> deck is already sanded from the factory, if for some reason the underside of the Flexiteek<sup>™</sup> is not abraded in the opposite direction of the moulded grooves the entire surface must be manually sanded with a 36 grit sanding block. Brush clean the back of the Flexiteek<sup>™</sup> with a stiff broom or brush to dislodge and debris from the manual sanding or transportation, ensure the underside is clean and free of any debris, and wipe down with a clean cloth until all dust is removed. If there feels like some oils may be present it is best to pour some Methylated Spirits into a clean cloth and lightly wipe down the underside of the Flexiteek<sup>™</sup>. No primer is required to the rear surface of the PVC Deck.

*INSTRUCTIONS FOR APPLICATION* cut the heads sausages and spread them out using a Fixtech 2mm notch trowl to the substrate.

***Within 30 minutes you should have brought the two surfaces together and pressed home.***

If doing a larger area just cut the heads off the sausages, squeezing out the contents, spread out what you need that can be placed within 30 minutes max. Bring the two applied surfaces together and smooth down any irregularities, ensure that both the deck and the boat structure have been brought together during this time. Please not in hot and humid climates where you have reduced the working time, a quick skin test where a sample is gunned out and a knife blade is touched to the surface until peaks do not form on retraction of the blade will ensure you understand your environments effect of the working time of DeckFix MSP300.

Use rollers for the softer more pliable decks to create a smooth finish. (Refer to the manufacturers manual on how to obtain a smooth even finish). Weighed down using suitable weights until cured, ensure you have extracted as much air as possible from the adhering surfaces.

Spread out the DeckFix MSP300 with a toothed trowel such as VCS2-4, to the substrate using a 2mm tooth trowel

After 24 hours for both the timber and cork decks fixing elements and weights can be eliminated. At 23°C the deck is walkable after 48 hours from application. For Flexiteek<sup>™</sup> as this is a PVC based product it is best to leave the weights on for 48 hours min to ensure deck stability during curing of the DeckFix MSP300.

**We recommend referring to the Flexiteek manual for comprehensive instructions on installation.**

### **IMPORTANT**

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