



TEAK DECK CAULKING AND BONDING



Monte Fino 122 by Kha Shing, Taiwan





TEAK DECK CAULKING AND BONDING

Teak Deck Preparation



Set up the teak planks in the format you need to create the teak deck

Check teak moisture content to ensure it is <11% to avoid teak deck shrinkage and coving of Fix100 (MSP100) deckflex

TEAK DECK CAULKING AND BONDING

Teak Deck Priming



Shake the Fixtech Primer PR10 well and pour into a plastic container. Brush or vacuum clean out the joints and make sure the caulking joint is free of dust and debris. Using a paint brush no thicker than 5mm, paint our primer PR10 into each joint ensuring even coverage of the sides and bottom of the joint. The black indicator will show you immediately if you have sealed the timber caulking joint, wait between 15 minutes to 1 hour or when the primer is dry before caulking with Fix100(MSP100) Deckflex. See TDS for details.





TEAK DECK CAULKING AND BONDING

Caulking Teak Deck Seams



With the Fixtech Pneumatic dispensing gun FG8 or the Manual dispensing gun FG7, smoothly fill the caulking seam ensuring you get the DeckFlex MSP100 to fill the seams all the way to the bottom.

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Teak Decks in Place



It does not matter whether it is prefabricated new teak deck or laid in place new teak deck or re-caulking old teak decks Fixtech Fix100 (MSP100) DeckFlex is superior in long term performance and today is the preferred teak deck system. From superyachts to beautiful yesterday era racing yachts, Fixtech is the solution.



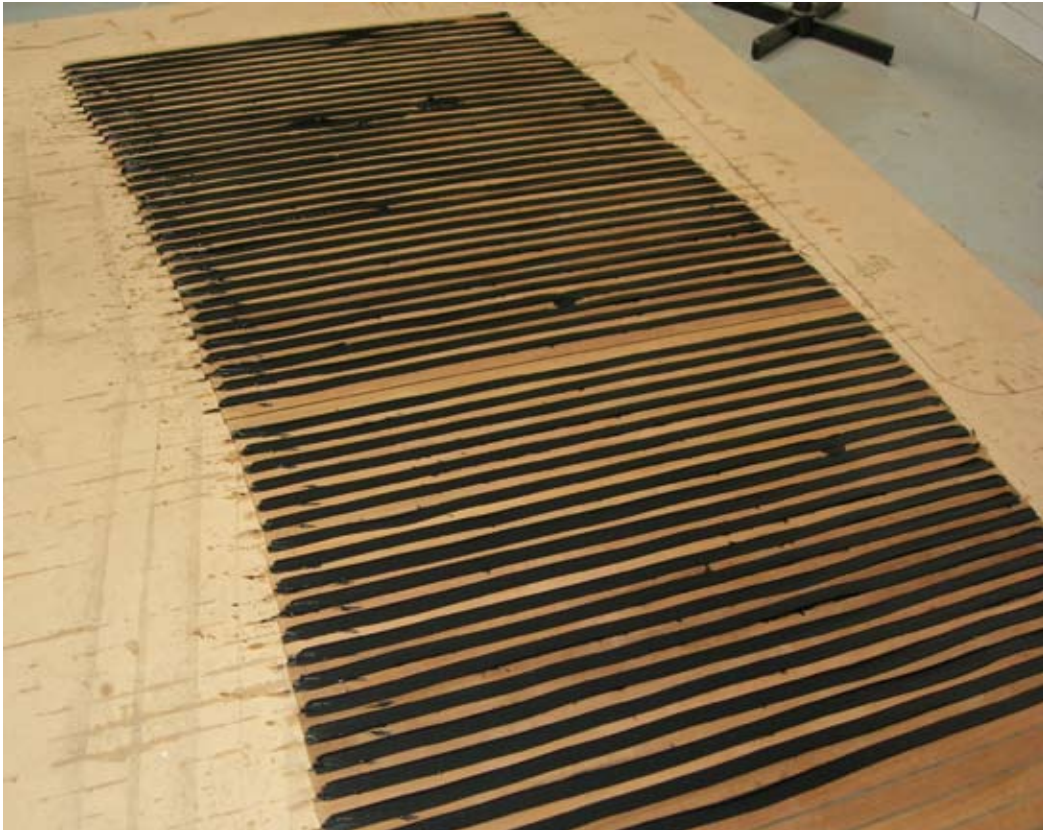
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Teak Deck Waiting to be Bonded



DeckFlex Cure rate is 2-3 mm every 24 hours. Therefore if the seam is 5x5mm then leave for 2-3 days and then sand, If deeper leave longer before sanding. Always apply DeckFlex MSP100 in a cool to warm dry atmosphere no hotter than 35°C, as teak timbers could be very hot as they absorb heat.

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Getting the Profile you need

This is the raised profile as DeckFlex MSP100 can fill the caulking seam easily when applied professionally, and requires no further work, this profile ensure no undercut and is the most widely used by professionals.



This flattened profile was done with a spatular, it is important to leave DeckFlex MSP100 proud of the surface when doing this, approx. 1-2mm for 5mm deep joint and 2-3mm for 10mm joint.

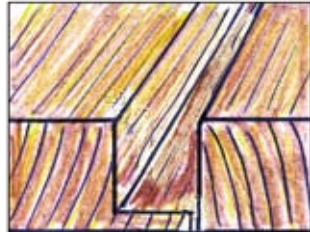
Good workmanship at the start saves money in the end.

TEAK DECK CAULKING AND BONDING





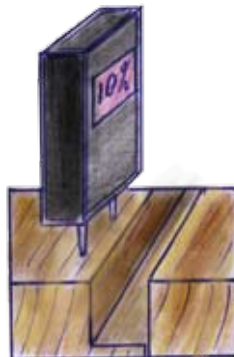
Teak Deck Caulking And Bonding Quick Summary



1. Clean joint dust free



5. Overfill joint with Fixtech
Fix100(MSP100)



2. Calibrated Moisture meter
Check < 11% moisture content



6. Some may need a spatular to
lightly push down Fix100



3. Apply Primer PR10



7. When cured sand off top
as required



4. Apply Breaker Tape if required.



8. Beautiful deck with Fixtech
Fix100(MSP100)





TEAK DECK CAULKING AND BONDING

Fix100(MSP100) Strong & Flexible

Getting the job done right the first time.
Teak with moisture content less than 11%
No foreign solvents to pre-clean seams



Trust in Fixtech for your teak deck solutions.
Good workmanship at the start saves money in the end.

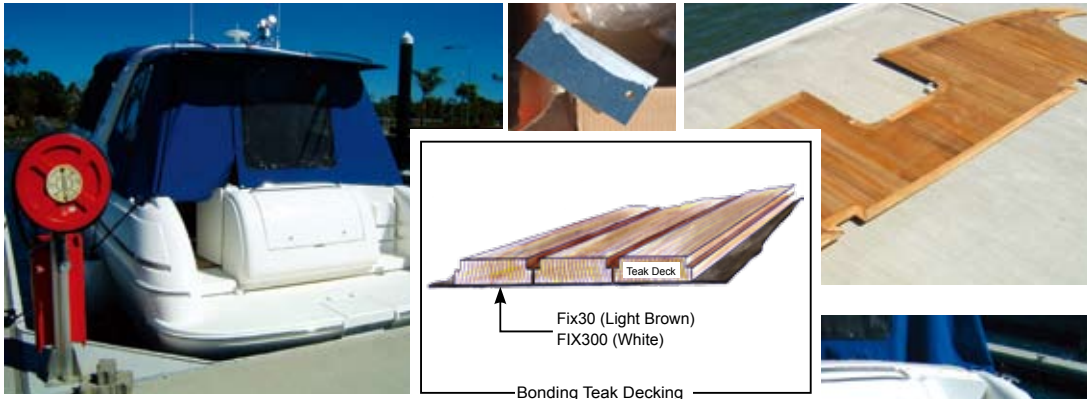
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Bonding Teak Decks



Teak deck bonding is ideal on aluminium, steel or fibreglass yachts to stop the practise of screwing or nailing everything down. FIX300 (MSP300) and FIX30 adhesive sealants are stronger than teak, flexible, one part, require no primers, bond and seal all in one.

Preparation:

- All boat and painted structures require sanding to remove the surface coating using a 100 grit sanding pad minimum
- Aluminium, gelcoat, steel, marine paint substrates must be wiped down with 100% alcohol cleaner and ensure no dust or oil is present on the surface.
- Existing timber surfaces to be sealed with PR10 Teak Primer.

Plank Preparation:

New teak planks do not require priming when used with Fix30 or MSP300. Simply sand the bonding area, brush or vacuum the dust away and wipe the bond surface down with a clean lint free cloth wetted with clean fresh water to remove any further remaining dust or debris. Ensure the planks are clean dry before bonding onto the deck.

Applying adhesive:

- Make sure the boat surface is level, where it is not ensure you apply more adhesive than where it is flat to fill the void,



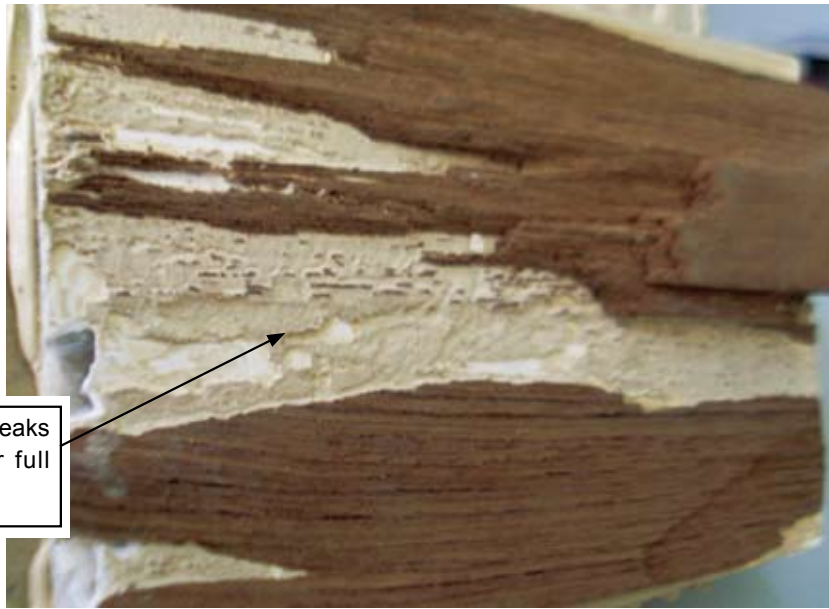
- Apply using a fine tooth comb of Fix30 or Fix300 adhesive sealant to both the underside of the teak deck or planks and the boat structure.
- Bring together expelling all the air within the working time of Fix30 or Fix300.
- Ensure minimum coverage bonding of 80% internal planks and 100% margin boards.
- Weight down the deck with appropriate lead weights and ensure adhesive on both surfaces is in contact with each other to avoid internal voids.
- Fix30 allow to cure a minimum 12 hours and then the deck can be walked on and deck caulking commence, for Fix300 allow minimum 24 hours and then the deck can be walked on and deck caulking can commence.
- See Technical Data Sheets for Fix30 and Fix300 for more details.



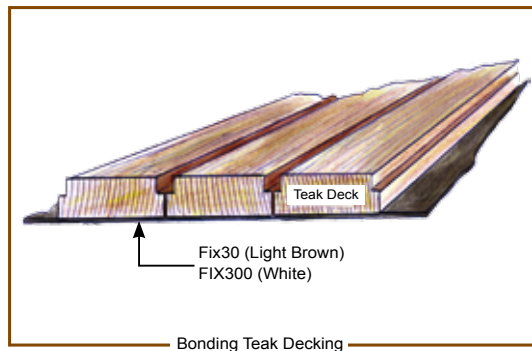


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Bonding Teak Decks



FloorFix FF30 Breaks the Timber after full cure. No bubbles.



FloorFix FIX30 and DeckFlex MSP300 are the highest quality teak deck bonding and sealing one part adhesives in the marine market. No Chemical Bubble Formation, easy to apply from the 600mL sausage, that can be resealed for long shelf life. Contains no solvents and no toxic chemicals. Stronger than teak and stronger than most gel coats trust Fixtech FIX30 or MSP300 to bond your deck down.

TEAK DECK CAULKING AND BONDING





TEAK DECK CAULKING AND BONDING
Big or Small Fixtech Teak Deck Systems Work
and give lasting beauty to all yachts



Maritimo Offshore (Australia)



Monte Fino by Kha Shing (Taiwan)



Good workmanship at the start saves money in the end.

TEAK DECK CAULKING AND BONDING





TEAK DECK BONDING AND CAULKING APPLICATION RATES

TEAK DECK BONDING AND CAULKING APPLICATION RATES

BONDING Using FIX30 Floorfix or FIX300 (MSP300) Deckfix

Table showing Square Meter (m²) Coverage Per Pack Size

Square Coverage (m²) for a 600mL sausage DeckFix MSP300

	APPROXIMATE THICKNESS					
THICKNESS "T" MM	0.25	0.30	0.60	1.00	1.50	2.00
COVERAGE (M ²)	2.28	1.90	0.95	0.57	0.38	0.29

NOTE : ASSUMES 5% WASTAGE ON APPLICATION

Per 600mL foil sausage

Example Surface Area 10m² of deck to be adhered
Thickness of application 0.6mm
on average 10m² / 0.95 = 11 sausages

NOTE : REFER TO THE TEAK DECK APPLICATION GUIDE AND PRODUCT TECHNICAL DATA SHEETS	
1.0	The Applicators are recognised professionals relevant to the laying of teak decks
2.0	DeckFlex MSP100 Sealant is over applied as shown below to ensure 100% fill and is seen as the traditional over application excess before finishing.
3.0	The Excess amount will vary dependent on the skill of the applicator.
4.0	FIX30 or FIX300 (MSP300) Bonding Adhesive recommended adhesive thickness is > 0.6mm min.
5.0	Breaker tape is recommended for all rebated joints to ensure 2-way movement, unless they are equal to or greater than the ratio of 1:1 depth to width, or it is a full depth joint whereby the bond breaker tape is not required.

JOINTS Using Fix100 (MSP100) Deckflex

Chart showing varied joint sizes giving linear meters per unit.

Linear Meterage for a 290mL cartridge of MSP100

Depth "D" of Joint (mm)	1 x 310ml Cartridge	Width "W" of Joint Between Timber Shakes (mm)				
		4	5	6	7	8
4		13	10	8	7	6
5		10	8	7	6	5
6		8	7	6	5	4
7		7	6	5	4	4
8		6	5	4	4	3

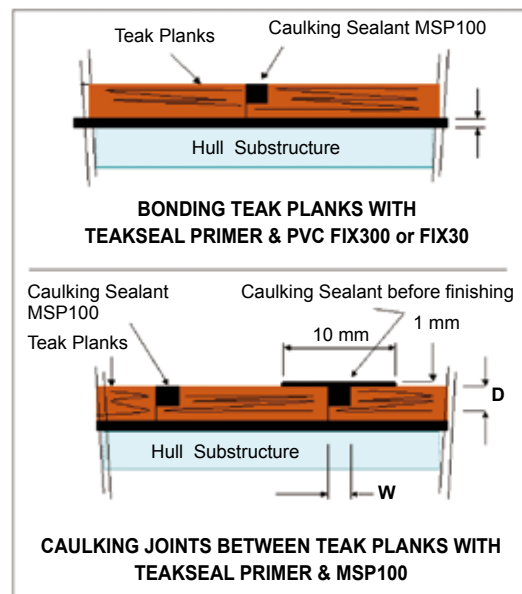
Linear Meterage for a 600mL cartridge of MSP100

Depth "D" of Joint (mm)	1 x 600ml Cartridge	Width "W" of Joint Between Timber Shakes (mm)				
		4	5	6	7	8
4		26	21	18	15	13
5		21	17	14	12	11
6		18	14	12	10	9
7		15	12	10	9	8
8		13	11	9	8	7

PRIMING Teak Deck Priming Before Caulking

Linear Meterage for a 500mL canister of Primer PR10

Depth "D" of Joint (mm)	1 x 1000ml primer	Width "W" of Joint Between Timber Shakes (mm)				
		4	5	6	7	8
4		287	265	246	230	216
5		246	230	216	203	192
6		216	203	192	181	172
7		192	181	172	164	157
8		172	164	157	150	144



Refer to www.fixtech.com.au for electronic calculator

