



# 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 Fix1DC

## TEAK DECK CAULKING AND BONDING

### Teak Deck Priming



Mix Fixseal epoxy sealer as directed (See TDS for details) 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 the epoxy sealer into each joint ensuring even coverage of the sides and bottom of the joint. Allow the epoxy sealer to dry before caulking with Fix1DC (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 Fix1DC to fill the seams all the way to the bottom.

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## TEAK DECK CAULKING AND BONDING

### 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 Fix1DC 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.



TEAK DECK CAULKING AND BONDING

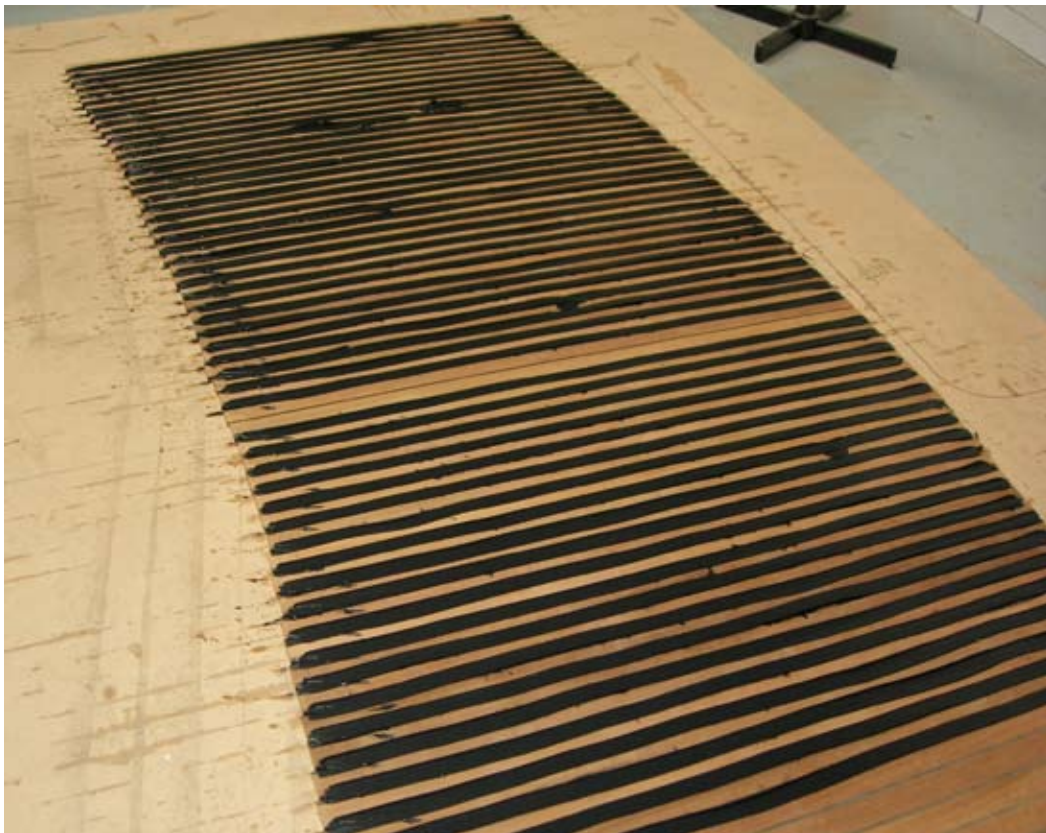




## TEAK DECK CAULKING AND BONDING

### Teak Deck Waiting to be Bonded

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Fix1DC's 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 Fix1DC in a cool to warm dry atmosphere no hotter than 35°C, as teak timbers could be very hot as they absorb heat.

**TEAK DECK CAULKING AND BONDING**





## TEAK DECK CAULKING AND BONDING

### Getting the Profile you need

This is the raised profile as Fixtech Fix1DC 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 Fixtech Fix1DC proud of the surface when doing this, approx. 1-2mm for 5mm deep joint and 2-3mm for 10mm joint.

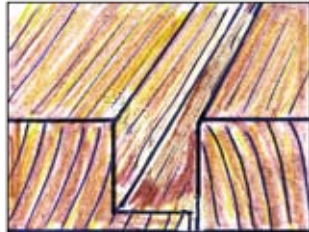
Good workmanship at the start saves money in the end.

TEAK DECK CAULKING AND BONDING





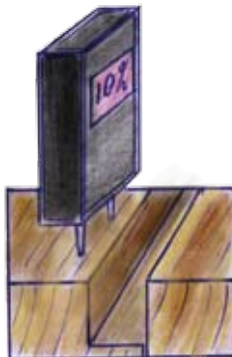
## Teak Deck Caulking And Bonding Quick Summary



1. Clean joint dust free



5. Overfill joint with Fixtech  
Fix1DC



2. Calibrated Moisture meter  
Check < 11% moisture content



6. Some may need a spatular to  
lightly push down Fix1DC



3. Apply Fixseal Epoxy Sealer



7. When cured sand off top  
as required



4. Apply Breaker Tape if required.



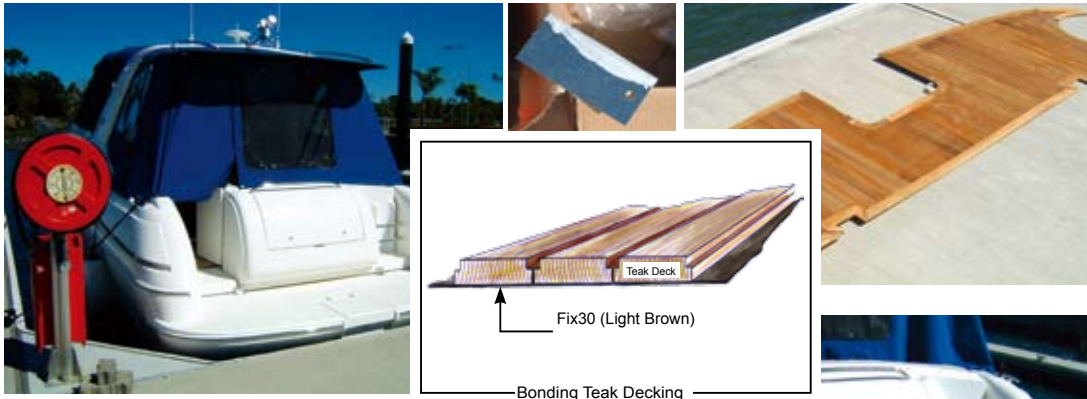
8. Beautiful deck with Fixtech  
Fix1DC





## TEAK DECK CAULKING AND BONDING

### Bonding Teak Decks



Teak deck bonding is ideal on aluminium, steel or fibreglass yachts to stop the practise of screwing or nailing everything down.

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 FixSeal epoxy sealer.

#### Plank Preparation:

New teak planks do not require priming when used with Fix30 or . Simply sand the bonding area, brush or vacuum the dust away and wipe the bonding 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 Fix30 using a fine tooth comb of min. 2mm. 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.
- 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,
- See Technical Data Sheets for Fix30 for additional information.





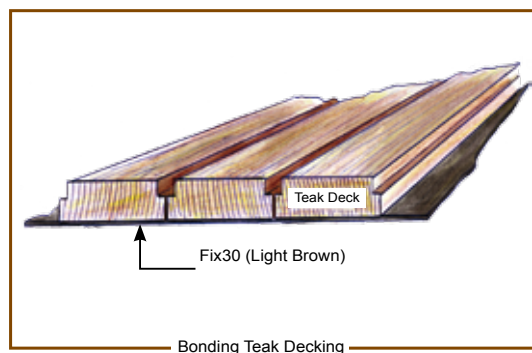


## TEAK DECK CAULKING AND BONDING

### Bonding Teak Decks



Fix30 Breaks the Timber after full cure. No bubbles.



Fix30 is a high quality teak deck bonding and Sealing one part adhesive in the marine market. No Chemical Bubble Formation, easy to apply from the 600mL sausage, that can be resealed for a long shelf life. Contains no solvents or toxic chemicals. Stronger than teak and stronger than most gel coats, trust Fixtech FIX30 to bond your teak or timber 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

## BONDING Using FIX30;

Table showing Square Meter (m<sup>2</sup>) Coverage Per Pack Size

Square Coverage (m<sup>2</sup>) for a 600mL sausage Fix30

THICKNESS "T" MM	APPROXIMATE THICKNESS					
	0.25	0.30	0.60	1.00	1.50	2.00
COVERAGE (M <sup>2</sup> )	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 10m<sup>2</sup> of deck to be adhered  
Thickness of application 0.6mm  
on average 10m<sup>2</sup> / 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	Fixtech Fix1DC 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 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 Fix1DC

Chart showing varied joint sizes giving linear meters per unit.

Linear Meterage for a 290mL cartridge of Fix1DC

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

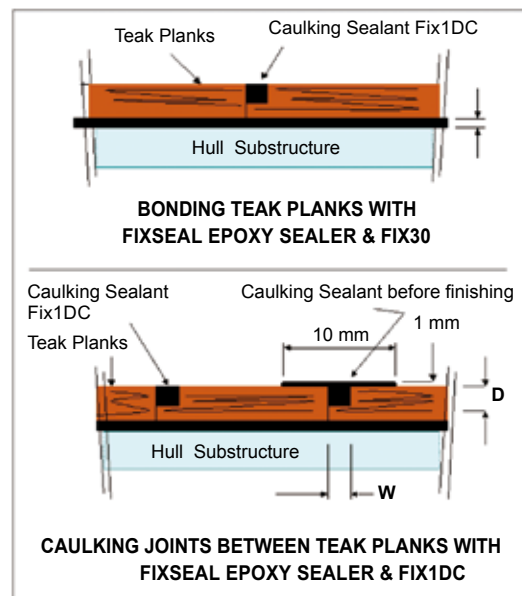
Linear Meterage for a 600mL cartridge of Fix1DC

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 Kit of Fixseal Epoxy Sealer

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](http://www.fixtech.com.au) for electronic calculator

