Superior Teak Decking – Safe Work Method Statement

Installation of Teak Decking

Issue: 2

Date: 3/5/2109

Introduction

This safe work method statement covers the work activities associated with the preparation of the existing deck and the installation of a new prefabricated Teak Deck. The work is generally carried out on the boat in the water at a Marina. The worker is exposed to the elements. It can also be done with the boat on hard stand and / or undercover. Work is generally carried out on the decks of the boat inside cockpits or safety rails.

The key steps in the process are as follows:

1. Transportation of tools, equipment and materials between van and boat
2. Embarking / disembarking boat
3. Use of power tools
4. Preparation of old decking - control of dust and teak shavings generated in the process. Disposal of waste
5. Trial fitting of new deck
6. Solvent cleaning of surfaces and application of epoxy glue
7. Curing of glue under pressure
8. Cleaning off excess cured glue and preparation for caulking
9. Caulking
10. Final sanding and finishing. Waste removal.

High risk activities, in the context of this work method statement, are:

1. Associated with the use of power tools particularly in a marine environment.
2. Material handling particularly near water and movement between dock and moored boat.
3. Working at height – if work is to be carried out on hard stand suitable scaffolding / access ladders to be installed. Note; work is normally carried out with boat on the water.

Contents:

Company and Employee Details

Lethbridge Marine Pty Ltd trading as ‘Superior Teak Decking’.

ABN 47 625 089 143

Register office: 9a Green Street
Windsor 3181
Vic, Australia

Workshop: 4/6 Shearson Crescent
Mentone, Vic 3194

Director and sole staff: Peter Lethbridge

Contact details: Ph: 0433 409 091
Email: peter@superiorteakdecking.com
Emergency Contact: Angela 0418 360 061

BIA registered Marine Card: 3652

Current insurance certificates for Public Liability [$10M] and Ship Repairers Liability [$10M].

Qualifications;

- BIA Marine Work Health Safety General Induction Course
- White Card – Construction Induction - WorkSafe WA
- City and Guilds Level 3
  Marine Construction

- IBTC Diploma Practical Boat Building

Key steps in process	Potential Hazards / Risks	Risk Control Measures	Personal Protective Equipment or tools	Tools and Equipment	Chemicals
1. Transportation of tools, equipment and materials between van and boat	Back Injury from weight and awkward loads Tripping	Park van as close as possible to job for unloading and loading Follow marked walk ways Avoid crossing the path of travel lifts and other vehicles Use own trolley or marina bin trolley if allowed and more suitable Lead weights – 3 to bucket and no more than 4 buckets to one trolley trip Prefabricated teak deck carry large sections one at a time. Carry in such a way to minimise windage, be aware of wind on jetties. Transporting tools – use interlocking stackable boxes.	Pneumatic tyre trolley Gloves for handling teak	Pneumatic tyre trolley Lead weights	NIL
2. Embarking / disembarking boat	Slip into water Irregular movement between boat and pontoon Trip on ropes Falls from ladders platforms when working on hardstand.	Carry no more than 15kg whilst transferring to boat without gangplank Ensure mooring lines are set to minimise gap between pontoon and boat – adjust if required Mooring lines clear of access area If working on hardstand ensure access ladders are secured to boat and suitable scaffolding installed if working at height.	Non-slip boat shoes Industrial compliant ladders / scaffolding secured to boat	Approved industrial ladders and scaffolding [Hardstand]	

3. Use of power tools	Electrocution with 240v in water Personal injury from cutting, grinding tools etc	Ensure power supply has a in certificate RCD / MCB fitted Keep power leads clear of water Secure power leads such that connections cannot enter water Ensure power leads are protected from vehicle damage, trip hazards and water. Prior to use visually check all 240v electrical equipment for damage or unsafe condition. Use as much as feasible battery-operated equipment Understand and apply tool safety instructions. Only use tools that you are trained / experienced with. Ensure all guards are installed / used Limit use of vibrating tools to suppliers recommended daily safe operating times	Suitable hearing protection Safety glasses Protective clothing	<u>Power</u> Orbital sander Router Sanding disc Planer Electric Hammer Vacuum Dust collector Power Leads <u>Battery</u> Drill Multitool Plane Caulking gun	NIL
4. Preparation of old decking - control of dust and teak shavings generated in the process. Disposal of waste	Dust and shavings – health and environmental contamination Power tools – electric planer, sanding disc, electric hammer, sander	Always use vacuum dust collector with any dust or shavings producing tools Dispose of waste or filter bags into plastic sealable bag or suitable closed receptacle. Dispose in appropriate waste bins or bring back to factory Old teak wood – bundle together and return to factory	Suitable hearing protection Safety glasses Vacuum dust extraction equipment Protective clothing Protection from sun – hat and sunblock Dust mask if grinding caulking material or fibreglass	electric planer sanding disc electric hammer sander Vacuum dust collector	NIL

5. Trial fitting of new deck	Use of power tools: sanding disc, jig saw, drill sanders, router. Dust from sander / grinder Manual handling of prefabricated Teak Deck onto and off the boat	Always use with vacuum to collect dust See embarking / disembarking boat	Dust extraction equipment Safety glasses and hearing protection as required	sanding disc drill sanders router vacuum dust collector	NIL
6. Solvent cleaning of surfaces and application of epoxy glue	Allergic reaction to Acetone, Methylated Spirits, Epoxy Glues, Silicone Caulking Spills	Wear disposable gloves for contact protection Clean teak in an open area with adequate ventilation Keep chemicals in small [1 litre] containers with secure lids Liquid chemicals to be stored upright in crate and marked. Read and follow MSDS for all chemicals / glues and caulking materials	Disposable Nitrile gloves Rags and towels for spill containment	Nil	See MSDS Acetone Methylated spirit Epoxy glue Silicone caulking
7. Curing of glue under pressure	Carrying of weights on to the boat	See embarking / disembarking the boat		Lead weights	NIL
8. Cleaning off excess cured glue and preparation for caulking	Use of power tools: multi tool, trimmer Exposure to sun	Safe operation of tools Use with vacuum for dust / waste collection	Hearing protection	Multi tool Vacuum dust extractor	NIL

9. Caulking	Chemicals Waste	Read and follow MSDS for all chemicals / glues and caulking materials Collect all waste in a bucket and dispose of correctly inside waste plastic bag	Rags	Caulking gun	Silicone caulking Methylated spirits
Final sanding and finishing. Waste removal	Power tools: random orbital sander	Use in conjunction with vacuum Dispose of vacuum bags in waste plastic bag – remove off site. Final wash with clean water and scourer / sponge, no chemicals. Minimise use of water for washing. All waste to be removed and returned to factory for disposal	Vacuum dust extractor Hearing protection	Random orbital sander Vacuum dust collector	NIL

Approval

Approved by: Peter Lethbridge

Signature: 

Date: 3 May 2019

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Material Safety Data Sheets

Attached are the applicable MSDS for materials used in this Safe Work Method Statement

Acetone 1 litre spill proof container

Fix1DC caulking silicone 600ml sealed sausage

Megapoxy 69 – epoxy adhesive 10 litre sealable bucket

Methylated Spirits 1 litre spill proof container

Turpentine* 1 litre spill proof container

Fixseal 1060 Epoxy Sealant* 250ml 2 part screw top sealed container

MSDS Acetone.pdf
MSDS Fix1DC-17.pdf
MSDS Megaepoxy 69 Pa
MSDS Megaepoxy 69 Pa
MSDS Methylated-Spirit
MSDS Mineral Turpentine.pdf
MSDS Fixseal-Part-A-17
MSDS Fixseal-Part-B-17

* These items are rarely used on the installation of teak decking