



FIX1DC-DECK CAULKING

Revision: 6/2021

Technical Data:

| | |
|--------------------------------|-----------------------------------|
| Base | Hybrid Silane |
| Consistency | Stable Paste |
| Curing system | Moisture Cure |
| Paintability | Not Paintable |
| Skin Formation(*) | 40-45 min (23°C & 75% R.H) |
| Cure Rate (*) | 2-3mm/24Hrs (23°C & 75% R.H) |
| Hardness (Shore A) | 37 |
| Change In Volume | < 2% |
| Specific Gravity | 1.30g/mL |
| Maximum Deformation | ± 30% |
| Temperature Resistance (cured) | -40°C to 100°C |
| Elastic Modulus 100% | 0.39 N/mm ² (DIN53504) |
| Tensile/Shear Strength | 0.85 MPa (DIN53504) |
| Elongation At Break | 300% (DIN53504) |
| Application Temperature: | From +5°C to 32°C |

(*) Values may vary depending on environmental conditions

Product:

Fix1DC is a high quality single component adhesive sealant with a low viscosity, excellent adhesive properties designed for Teak and other hardwood decking timbers.

Fix1DC is moisture curing and forms a permanent elastic product. It is chemically neutral, suitable for use in marine, transport and construction areas, where a strong flexible UV and soap resistant rubber caulking bond is required.

Characteristics:

- Easy application
- High extrudability and good workability
- Ecological advantages, free from acids, isocyanates, solvents, Phthalates, halogens.
- Excellent sandability after full cure (3-5 Days for best results)
- Excellent mechanical properties
- Flexible elastic rubber – movement accommodation up to 30%
- No bubble formulation within the sealant
- UV stable and colour fast
- Withstands all climatic conditions and suitable for use where pH neutral soap cleaning will occur.
- Verified by NOHSC as non-hazardous and ROHS compliant for health reasons.

Note on Paintability:

Fix1DC is not paintable.

Paint, varnish and other coatings do not adhere to Fix1DC Deck Caulking. After sanding the deck including the caulking, be sure to thoroughly clean any surrounding surfaces that are to be painted with a good industrial alcohol cleaner to remove any contaminants that may cause "Fish Eye"! Test surfaces before painting.

Applications:

Fix1DC is suitable for the caulking of seams in Teak, most other timber types, cork and Synthetic Teak decking. Moisture content of timber should be below 11%. Please consult our technical department for substrates outside of the above. Not recommended for external Beech Timber decks **DO NOT use solvent, acetone, alcohol or similar type chemicals to wipe or clean Fix1DC.**

Packaging:

Colour – Black. Other colours on request.
Packaging – 290ml Cartridge 600mL foil bag

Shelf life:

12 months Foil Bags from production date, in unopened packaging stored in a cool and dry storage with temperatures between +5°C and 23°C (Maximum). Hotter storage will reduce shelf life significantly.

Note: The contents contained in this documentation are the result of our experiments and our experience and have been submitted in good faith. Because of the diversity of the materials and substrates and the real number of possible applications which are out of our control we cannot accept any responsibility for the results obtained. In every case it is recommended to carry out preliminary experiments and compatibility tests.

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Surfaces:

State of Surface: Solid without cracks or fissures, clean, dry, free of dust, debris and free of any residue oils or release agents.

Sealing/Priming:

- For teak timber and other porous substrates, we recommend Fixseal Epoxy Sealer/Primer timber sealer be applied after pre-wiping the surface down with clean acetone.
- For Synthetic decking no need for sealing/priming.

Compatibility tests are strongly recommended.

Joint Dimensions:

Minimal Width: 2mm (bonding)
5mm (joint)

Maximum Width: 10mm (bonding)
30mm (joint)

Minimum Depth: 5mm (joint)

Recommendation: width of joint = 2 x depth up to a maximum 10mm.

It is important the size of the seams are within the limits of the table below to allow for the natural movement of the teak. As a general rule, seam width and depth should be approximately 10% of the plank width up to a maximum of 10mm.

| Plank Width | Seam Width | Min.Seam Depth | Max. Seam Depth |
|-------------|------------|----------------|-----------------|
| 35mm | 4mm | 4mm | 10mm |
| 45mm | 5mm | 5mm | 10mm |
| 55mm | 6mm | 6mm | 10mm |
| 75mm | 8mm | 8mm | 10mm |
| 100mm | 10mm | 10mm | 10mm |

Resistance to Chemicals:

Good resistance to fresh and salt water, pH neutral soaps, aliphatic solvents, mineral oils, grease. Poor resistance to aromatic solvents, concentrated and diluted acids and chlorinated hydrogens and vinegar.

Application:

Method: Manual or pneumatic caulking gun
Application temperature: +5°C to 32°C

Clean up tools: Use industrial alcohol cleaner immediately after application and before curing

Tooling: Mild pH neutral soapy solution diluted with fresh clean water applied and tooled before skin formation.

Repair with: Fix1DC

Health- and Safety Recommendation:

Apply the usual industrial hygiene. Wear gloves . Safety Glasses.

Remarks:

- Fix1DC may Not be overpainted
- Fix1DC can be applied to a wide variety of substrates. Due to the fact that the specific properties of substrates will differ we strongly recommend compatibility tests.
- Fix1DC **is not resistant** to strong alkalis or acids, concentrated acids, chlorine and bleach solutions, caustic solutions, and cleaners containing sodium hydroxide and vinegar.
- For teak deck cleaning please refer to the teak deck cleaning guide in your catalogue or from our website www.fixtech.com.au or call our technical department.
Fixtech does not warrant damage caused to Fix1DC or any other Fixtech product through the mis-use of cleaners.

Warranty:

In relation to the sale of this product Fixtech Pty Ltd makes no warranty of suitability for any specific purpose. In lieu of all warranties expressed or implied, Fixtech Pty Ltd will at its discretion replace goods to the invoiced value or refund the purchase price of any defective material. In no case or under any circumstances will Fixtech Pty Ltd be held liable for incidental or consequential damage.