



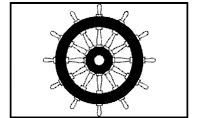
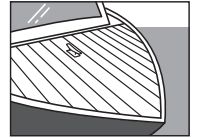
**RAMSAUER®**

# 515

**LASTING BONDS.**

## Teak Seal

**1-component neutral alkoxy silicone sealant**



0736



## Technical data sheet

Version: 04-2024

### Tests:

- IMO Resolution MSC.307(88)-(FTP Code 2010) Annex 1, Part 2, Part 5
- EC type examination certificate (Module B) Approval No: 118487-01
- U.S. Coast Guard Approval No. 164.112/EC0736/118487-01
- Emicode EC1 "very low emissions"

## 1. Mechanical Properties

Basis	Neutral cure alkoxy silicone sealant
Skin formation time	~ 45 Min. (23°C/50% relative humidity)
Full curing time	~ 2 mm/24 hours (at +23°C/50% relative humidity)
Density	~ 1.36 (EN ISO 1183-1)
Shore A hardness	~ 43 (DIN EN ISO 868)
Volume shrinkage	~ 4.5% (EN ISO 10563)
Tear propagation resistance	~ 9.7 N/mm (ISO 34-1)
Elongation at break	~ 340% (DIN EN ISO 8339)
Resistance to high and low temperatures	-50°C to +150°C (long-term exposure)
Application temperature (substrate, environment)	Lower +5°C, upper +35°C
Sanding capable	after 60 hours (at +23°C/50% relative humidity)
Colours	Black
Packaging	290 ml cartridge, other containers on request
Shelf life of cartridges and foil bags	10 months in original packaging in cool and dry storage conditions

## 2. Properties

515 Teak Seal the silicone sealant for high mechanical stress in shipbuilding. The viscosity is formulated so as to support best possible filling of joints various ship deck types. Excellent bonding on various woods, polyester, GRP and glass. The sealant has no corrosive impact on metals. Extremely good weathering, ageing and UV resistance. The product is seawater-proof and characterised by high elasticity and very good tear propagation resistance.

## 3. Priming table

not applicable



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### 4. Application

Specially developed for grouting ship decks, this product can also be used for plank parquet and laminate floors. The material can be sanded after 60 hours at +23°C/50% relative humidity. Meets the requirements for surface materials and floor coverings with low fire spreading capacity.

### 5. Meets the requirements of IVD instruction sheet

not applicable

### 6. Processing

**General instructions:** Before applying the sealant, surfaces immediately adjacent to the joints should be masked with a suitable masking tape. This helps to prevent soiling of the substrate when smoothing the joints and to achieve a clean sealing edge. The masking tape should be removed immediately after processing before sealant skin formation starts. If you are using closed-cell caulking cords to caulk the joints, make sure that it is applied with a blunt caulking tool, ideally with a caulking cord roller. This minimises the risk of damaging the caulking cord and prevents subsequent outgassing of the caulking cord and, in turn, the formation of bubbles in the sealant. **Pretreatment of the adhesion surfaces:** In some applications, pre-treatment of the joint edges by sanding can improve adhesion. In general, our Primer 70 should be used for wood that is very resinous or has a high tannic acid content. If there is insufficient adhesion to metal or plastic substrates, Primer 140 or Primer 100 can be used. In any case, the flash-off time of the primer must be observed. **Application of the sealant:** Working within the application temperature limits, the sealant must be applied uniformly to the joint avoiding inclusions and smoothed within the skin formation time. Good contact with the joint edges or adhesive surfaces must be ensured.

### 7. Application restrictions

**Caution:** The expiry date of the material and the ambient and substrate temperature must be observed; otherwise, it may not be possible to guarantee the stated mechanical properties of the product. 1-component sealants are not suitable for full-surface bonding. The curing speed increases with increasing coating thickness. If the 1-component material is used in coating thicknesses of more than 15 mm, please contact our application engineering department. 515 Teak Seal is not suitable for grouting natural stone.

### 8. Safety instructions

Please refer to the current EC safety data sheets. Data sheets are available at any time from our website at [www.ramsauer.eu](http://www.ramsauer.eu).

### 9. Application notes

Due to the large number of potential influences during processing and application, the processor must always carry out trial processing prior to each application. The user must ensure that the components (gaseous, liquid or solid) coming into contact with the product are compatible and that no damage or impairment will be caused. Note the expiry date of the material. Good ventilation must be ensured during processing and curing. If the products are stored and/or transported incorrectly, over an extended period of time at higher temperatures and in humid conditions, the shelf life may be reduced or the material properties may change. Variations in application temperatures and environmental conditions can affect the deep curing and skin formation time.

### 10. Liability for defects

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