



**RAMSAUER®**  
**DICHTSTOFFE**

# 510 DECK CAULK

**1-component sealant on a hybrid basis**

## TECHNICAL DATA

Basis: hybrid sealant – silane terminated polymer  
Colour: black  
Shore A hardness (ISO 868): 31  
Temperature resistance: - 40°C to + 90°C  
Density at 23°C (ISO 1183 Method B): 1.326 g/cm<sup>3</sup>  
Consistency 23°C / 50% relative humidity: low sag resistance  
Tensile strength ISO 8339: 0.60 N/mm<sup>2</sup>  
Elongation at break ISO 8339: approx. 200 %  
Modulus ISO 8339:  $\square$  50: 0.46 N/mm<sup>2</sup>  
Modulus ISO 8339:  $\square$ 100: 0.50 N/mm<sup>2</sup>  
Processing temperature: + 5°C to + 40°C  
Skin over time (21°C / 25% relative humidity): approx. 40 Min.  
In-depth curing: approx. 2 mm / 24 hours  
Shrinkage according to ISO 10563: approx. -2 %  
Packaging: 310ml-cartridges; alternative packaging upon request  
Storage life: 1 year in original container; keep in a cool and dry place

## CHARACTERISTICS

The compound flows into the joint evenly and subsequently can be conveniently smoothed by means of a spreader without oozing from the joint again. 510 DECK CAULK can be processed quickly and without formation of bubbles. It is characterised by high chemical resistance, is resistant to seawater, silicone-free, and can be ground and covered with paint coats.

This sealant does not contain any solvents or isocyanates. Consequently, it is ideal for indoor application.

The product cures virtually without shrinkage forming a



maintenance-free surface without any additional finishing work being required.

## APPLICATION

510 DECK CAULK is characterised by excellent basic adhesive properties and is easy to use in deck board joints in the construction of boats and ships. 510 DECK CAULK is

suitable for preparing new joints and for repairs both indoors and outdoors.

## PROCESSING

In case of renovation work on relatively old decks it is necessary to completely remove the old sealant in the damaged areas before starting to apply the product.

The wood must be dry (wood humidity below 14 %) and clean. Remove any and all loose chips and splinters from the joint edges.

Before starting sealing work grind the deck well in order to avoid steps between planks.

In order to rule out early detaching of joint edges as far as possible we recommend using our Primer 70. This product should be applied to the joint edges at least once in order to ensure thorough and reliable workmanship.

Depending on the ambient temperature, the primer requires an open time of approx. 30 minutes. In an expansion joint, for technical reasons the sealant should adhere to the edges of

the joint only, and not to its ground. This is achieved by introducing a joint insert tape to rule out three-point adhesion. The width of the separation strip should be chosen in such a way that it covers the joint bottom as completely as possible. However the separation strip must not rise up laterally along the joint edges.

It is advisable not to work on very large sections at once when using 510 DECK CAULK. The sealant should be smoothed with a spreader within 30 - 40 minutes after having been introduced into the joint (skin over time).

In case of minor repair work cover the planks on both sides of the joint with suitable adhesive tape, and remove the tape immediately after smoothing the sealant. In this way the deck need not be ground and visible differences (fresh grinding) between repaired and original parts are reduced.



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In case of complete renewal of deck joints or repairs over large areas we recommend to start the final grinding work not

earlier than 4 - 5 days after applying the sealant, depending on the ambient temperature.

### LIMITATIONS OF APPLICATION

510 DECK CAULK is not authorised for use with natural stone. In case of special applications or use with natural stone it is imperative to conduct preliminary experiments and/or to consult our application engineering department. Before using

the product for any other field of application which has not been mentioned in this Data Sheet get in touch with our application engineering department.

### SAFETY ADVICE

Consult the current EC Safety Data Sheet which is available at any time on our website at [www.ramsauer.at](http://www.ramsauer.at).

### PROTECTION AT WORK AND HEALTH PROTECTION

Avoid swallowing the product and avoid any prolonged or repeated skin contact. Keep out of the reach of children. For more information consult our Safety Data Sheet.

### ADVICE FOR APPLICATION

Ensure sufficient ventilation during processing and curing. In view of the large number of factors which may affect processing and application the user must always try the specific application in an experiment before using the product. Take into account the expiry date of the product. Storage and/or transportation of products at increased temperature/air humidity for a prolonged period of time (several weeks) may result in a reduction of storage life and/or changes of

characteristics of the product. Prior to application, the user must make sure that the sealant/adhesive is compatible with the building materials and substances (gaseous, liquid or solid) with which it will be in contact, and that any damage or impairment is ruled out. High substrate temperatures during processing may affect the mechanical properties of the product.

### LIABILITY FOR DEFECTS

The information provided including but not limited to the proposals for processing and using our products is based on our knowledge and experience, usually at the time of going into print. The results of work may deviate from this information depending on the specific circumstances, in particular with respect to substrates, processing and environmental conditions. Therefore, neither this information nor any oral counselling shall constitute warranty or give rise to any liability on whatever legal ground for any specific result

of work, unless we acted intentionally or by gross negligence. Ramsauer warrants that its products will have the technical characteristics according to the Technical Data Sheets up to their expiry date.

Product users must consult the latest data sheet which is available upon request. Our current General Terms and Conditions apply which are available for download on our website [www.ramsauer.at](http://www.ramsauer.at).



## QUALITY YOU CAN RELY ON

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