

## TI 023 Vers. 1.0 e

# Deck caulking with **Köraflex VP 990**

### Content

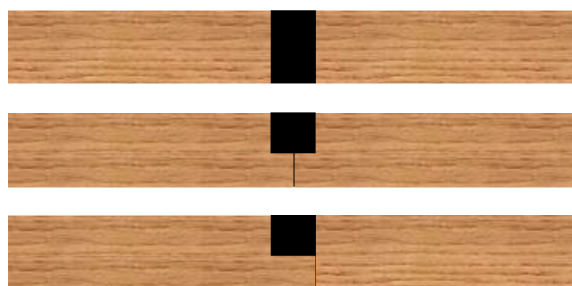
The Technical Information TI 023 is about caulking wooden teak-decks in the marine sector with **Köraflex VP 990**.

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### 1. Preface

Products used in the marine sector must meet high standards. The constant stress by e.g. UV radiation as well as salt and fresh water at fluctuating temperatures allows showing **Köraflex VP 990**, for which it was made. The correct processing of our product is of great importance for the successful and particularly durable caulking of teak decks.

Teak should be dry, residual moisture approx. 12%. Best are standing year rings. Teak should be freshly cut.



There are 3 formats usual in the market for teak deck planks and joints (*see illustration*).

Joint dimensions:

- Joint width at least 10% of teak profile width
- max. allowable joint expansion 10 to 15%

Teak planks width [mm]	35	45	50	75	100	125
Minimum joint width [mm]	4	4-5	5-6	8	10	12
Optimum joint depth [mm]	4-5	6	6	7	8	10

## 2. Prearrangements

### Prearrangements TEAK

- Teak must be clean, dry and free of dust and oil
- Remove dust of wood and loose parts completely
- Blow joints with oil-free air or suck the joints



### Pretreatment TEAK

- On many teak materials Köraflex VP 990 can be used without Primer, preliminary tests needed.
- Apply Körabond HG 92 carefully with a brush down to the joint base (~ 150 g/m<sup>2</sup>)
- Drying time at least 15 min, max. 24 h (23°C, 50% rH)



### Avoidance of adhesion to the bottom

- Avoid 3 side adhesion with a bond breaker tape
- Stick release tape into the joint base



## 3. Sealing

### Sealing of the joints

- Cut nozzle and place to joint base
- Ideal angle of application between +60° and +90°
- Apply Köraflex VP 990 without air inclusion
- Joints should be slightly overfilled
- Processing temperature +5°C up to +30°C



## Tooling of the joints

- Improvement of the joint endings
- Use a slightly elastic spatula
- Tool the joints in an angle of approx. 45°
- Scrap off with spatula before skin formation
- Dispose excess material immediately
- Protect tooled joints for at least 8 h from rain and higher temperatures



## Deck grinding

- Waiting time before grinding 3-5 days\*
- Remove excess material with a knife
- Grind joints in movement direction:
  1. Grind with grain size 80
  2. Grind with grain size 120 or finer

\* = 23°C / 50% rH



## 4. Deck care

For care/maintenance of decks grouted with [Köraflex VP 990](#) we recommend the following:

- Water the deck regularly with fresh water (at least 1 times a day)
- Avoid drying out of the deck
- Rare cleaning with [Köraclean 7340](#)
- Don't use bleach or harsh cleaner
- Consider and follow the technical data sheet!

## 5. Chemical resistance

For chemical resistance of [Köraflex VP 990](#) applies:

- Long-term resistance to fresh and salt water
- Resistant to aqueous cleaning agents
- Resistant to short-term contact with fuels and lubricants
- Limited resistant to solvents, acids and alkalis
- Limited resistant to chlorine-based cleaners
- Consider and follow the technical data sheet!

## 6. Object-Checklist

### Objekt / Object

*Projektname, Bootstyp / Projectname, Type of boat:*

*Ausführende Firma / Executing company:*

*Datum, Ort / Date, Place:*

*Decksfläche / Dimension Deck:*

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*Abmessung Teakstäbe / Dimension teak planks:*

*Fugendimension / Joint dimension:*

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### Verarbeitung / Processing

*Primer, Chargennummer, verwendete Menge / Primer, Batch nr., total quantity:*

*Dichtstoff, Chargennummer, verwendete Menge / Sealant, Batch nr., total quantity:*

*Verarbeitungsbedingungen / Processing conditions:*

	Primer	Abdichten / sealing
Zeit / Time		
Lufttemperatur / Air temp. °C		
rLf / rH %		
Taupunkt / Dew-point °C		
Temperatur Teak °C		
Teakfeuchte / Teak humidity %		

### Objektleitung / Responsible person for Object

*Datum, Ort, Unterschrift / Date, Place, Signature*

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