



# ADHESIVES AND SEALANTS FOR THE MARINE INDUSTRY

System Solutions for Higher Performance



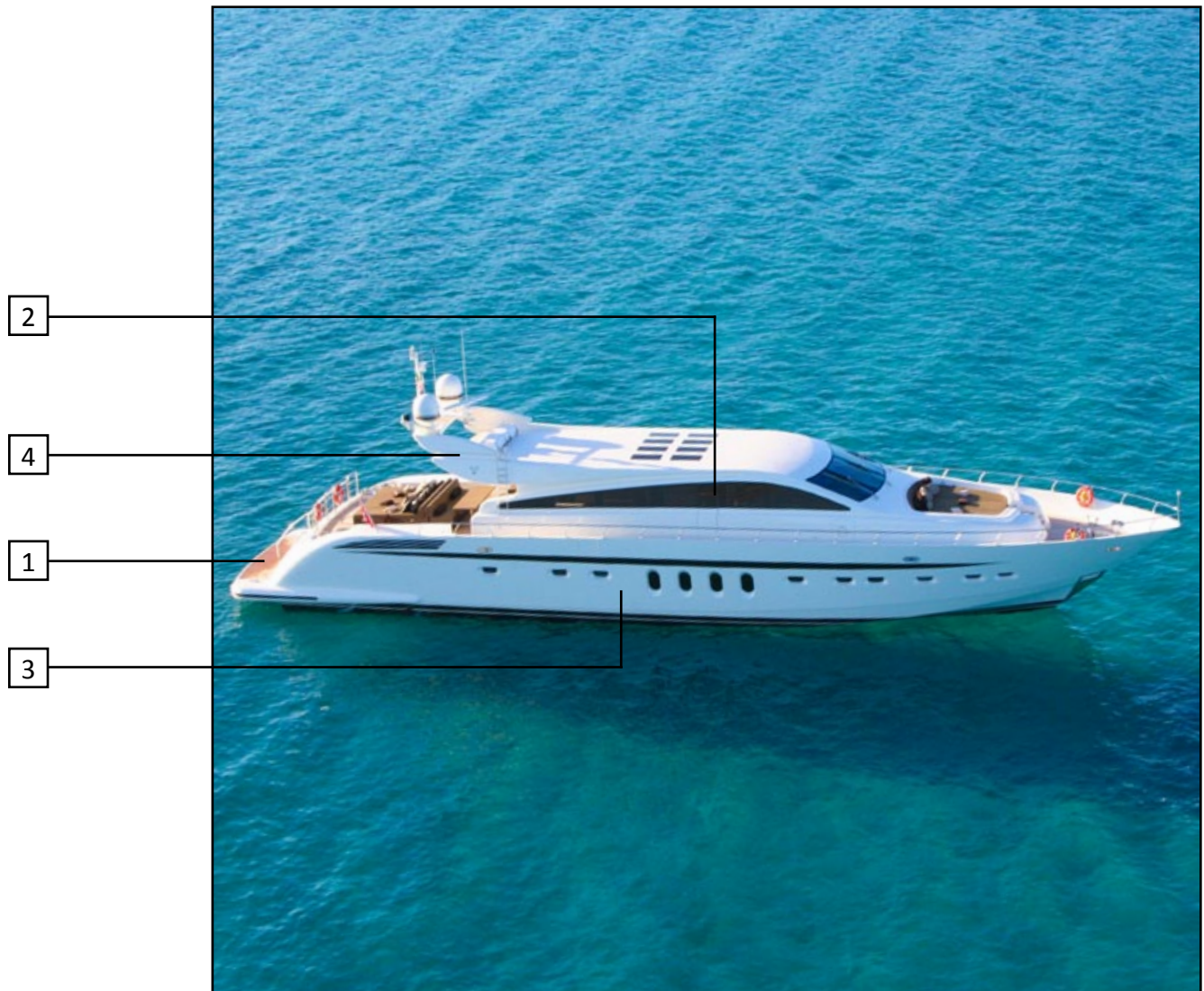
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# ADHESIVES AND SEALANTS FOR THE MARINE INDUSTRY

KÖMMERLING is one of the leading manufacturers of adhesives and sealants. In the harsh marine environment, adhesives and sealants need to withstand strong UV radiation, humidity and salt water. The KÖMMERLING Marine range has been specially developed to fulfil all needs during production and to provide long-term stability in the final product.



1 Deck System

2 Glazing System

3 General Bonding and Sealing

4 Structural Bonding and Panel Production





## DECK SYSTEM

### DECK CAULKING

Adhesives and sealants for deck caulking have to fulfil the highest requirements regarding UV, salt water and fresh water resistance. The joints have to allow permanent absorption of movement. At the same time, they need to be easy to process and to sand. Köraflex Marine has been developed to fulfil all these requirements.

#### **Köraflex VP 990 Marine**

1-component moisture curing synthetic polymer

- +** Meets the requirements of IMO

#### **Köraflex 996 Marine**

2-component polysulfide

- +** Fast curing

### BEDDING OF DECK FLOORINGS

Deck floorings are subject to volume changes as well as to thermal changes in length caused by temperature differences. To satisfy these requirements, bedding compounds need to have high flexibility on the one hand and great strength to keep the deck flooring in place on the other hand.

#### **Körapur 928 Marine**

1- component PUR adhesive

- +** Long open time
- +** Meets the requirements of IMO



## GLAZING SYSTEM

### WINDOW BONDING

For a modern design, bonded windows and structural façade systems are becoming increasingly popular on boats and ships. KÖMMERLING provides different technologies to bond mineral glass as well as synthetic glass.

#### Körapur 177

1-component PUR adhesive

- + High strength

#### Körapop 250

1-component MS adhesive

- + Long open time
- + High strength

#### Körapop 954 Marine

1-component MS adhesive and sealant

- + Meets the requirements of IMO

#### Ködiglaze SDG

2-component structural glazing silicone

- + Fast curing

### WEATHER SEALING

Due to strong movements and torsions, boat and ship windows require stable and flexible sealings. KÖMMERLING weather sealings provide protection from water, UV radiation and thermal changes in length.

#### Körapop 954 Marine

1-component MS adhesive and sealant

- + Meets the requirements of IMO

#### GD 826 N

1-component weather seal silicone

- + Very high flexibility

# GENERAL BONDING AND SEALING

## OUTSIDE BONDING AND SEALING

Whether for design or safety requirements, many attachments on boats and ships need to be bonded or sealed. Körapop Marine for outside applications offers very good resistance against weathering and UV radiation.

### [Körapop 954 Marine](#)

1-component MS adhesive and sealant

- + Meets the requirements of IMO

## BONDING AND SEALING BELOW THE WATER LINE

Attachments below the water line need very tight bondings and sealings to ensure tightness of the hull during long periods in the water.

### [Körapur 925 Marine](#)

1-component PUR multi-use adhesive and sealant

- + Meets the requirements of IMO

### [Körapur 940 Marine](#)

1-component PUR adhesive

- + High strength
- + Long open time
- + Meets the requirements of IMO

## INSIDE BONDING AND SEALING

To avoid mechanical fixings and cracking noises, many materials on the inside of a boat are bonded or sealed. The KÖMMERLING Marine range offers solutions for all common materials.

### [Körapop 954 Marine](#)

1-component MS adhesive and sealant

- + Meets the requirements of IMO

### [Körapur 925 Marine](#)

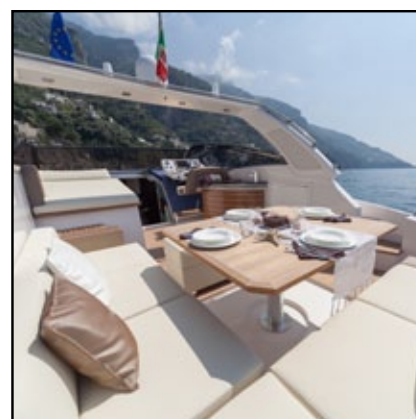
1-component PUR multi-use adhesive and sealant

- + Meets the requirements of IMO

### [Körapur 940 Marine](#)

1-component PUR adhesive

- + High strength
- + Long open time
- + Meets the requirements of IMO





# STRUCTURAL BONDING AND PANEL PRODUCTION

## STRUCTURAL BONDING

In modern yachts made from GRP or aluminium, the deck-hull connection and the mounting of the flybridge constructions are some of the components that must endure high mechanical stress. By using adhesives, vibrations are reduced, different elongations are balanced and shocks are absorbed.

### Körapur 940 Marine

1-component PUR adhesive

- + High strength
- + Long open time
- + Meets the requirements of IMO

### Körapop 954 Marine

1-component MS adhesive and sealant

- + Meets the requirements of IMO

### Körapur 666

2-component PUR construction adhesive

- + Low sensitivity to moisture
- + Meets the requirements of IMO

### Körapur 790

2-component PUR construction adhesive

- + Very high strength
- + Meets the requirements of IMO

### Körapur 840

2-component PUR construction adhesive

- + Good impact resistance
- + Meets the requirements of IMO

## PANEL PRODUCTION

KÖMMERLING provides a strong range of adhesives to produce sandwich panels and decorative panels made from different materials.

### Körapur 672

2-component PUR liquid adhesive

- + Low sensitivity to moisture
- + Meets the requirements of IMO

### Körapur 928 Marine

1-component PUR adhesive

- + Long open time
- + Meets the requirements of IMO





# KÖMMERLING – YOUR SYSTEMS PARTNER

## COMPETENCE AND SERVICE

Boat and ship building projects are becoming more and more demanding in terms of architectural and design aspects, but also with regard to technical requirements. To ensure successful application and design, KÖMMERLING provides professional solutions for the boat and ship building industry.

KÖMMERLING offers a complete product range from a single source, from the manufacturing of high-quality glasses to sealing below the water line. All materials are matched to each other. With these system solutions, KÖMMERLING ensures the highest level of safety and quality in boats and ships, from small boats to cruise liners.

## OUR SERVICE PORTFOLIO

- Adhesion testing
- Compatibility tests
- Application training at the processor's site
- Support for working with independent laboratories for external testing
- Development of quality assurance programmes





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