



SIKA  
MARINE



THE  
PROFESSIONAL'S  
CHOICE

# Sikaflex<sup>®</sup>-591 FOR EVERY SITUATION

- All in one interior and exterior sealant
- Resistant to ageing and weathering
- Good adhesion on most marine substrates

BUILDING TRUST



# Sikaflex®-591

## HIGH QUALITY INTERIOR AND EXTERIOR SEALANT WITH REVOLUTIONARY PERFORMANCE, HEALTH AND SAFETY

Sikaflex®-591 is based on Sika's Silane Terminated Polymer (STP) technology. With its excellent resistance against the harsh maritime weathering conditions it can be used for a wide range of applications. This is an exceptional marine sealant which provides a perfect solution for indoor and outdoor applications with an excellent UV stability. Sikaflex®-591 exceeds common environmental and safety standards and sets a new benchmark from an ecological point of view.

### FEATURES AND BENEFITS

- Moisture curing
- Good UV stability
- Mold-resistant
- Suitable for elastic, vibration-resistant joint seals
- Free of isocyanate, solvents, PVC phthalates and tin catalysts
- Great compatibility with non-ferrous metals such as brass, bronze and copper
- IMO approved
- Can be painted with most conventional Marine paint system. Must be tested for compatibility by carrying out preliminary trials

### TECHNICAL PROPERTIES

Chemical base	Silane Terminated Polymer
Color (CQP001-1)	White, Black, Grey, Brown
Cure mechanism	Moisture-curing
Density (uncured)	1.5 kg/l
Non-sag properties	Very good
Application temperature	5 - 40 °C
Skin time (CQP019-1)	35 minutes <sup>A</sup>
Open time (CQP526-1)	20 minutes <sup>A</sup>
Shrinkage (CQP014-1)	1 %
Shore A hardness (CQP023-1 / ISO 7619-1)	45
Tensile strength (CQP036-1 / ISO 527)	2.2 MPa
Elongation at break (CQP036-1 / ISO 527)	500 %
Tear propagation resistance (CQP045-1 / ISO 34)	15 N/mm
Service temperature (CQP513-1)	-50 - 80 °C
Shelf life (CQP016-1)	12 months <sup>B</sup>



CQP = Corporate Quality Procedure

<sup>A)</sup> 23 °C / 50 % r. h.

<sup>B)</sup> storage below 25 °C



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