

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Application of: Council Directive 96/98/EC of 20 December 1996 on Marine Equipment (MED) as amended by directive (EU) 2015/559. This Certificate is issued by DNV GL SE based on the notification of the German Federal Ministry of Transport, Building and Urban Development.

This is to certify:

**That the Surface materials and floor coverings with low flame-spread characteristics:
decorative veneers**

with type designation(s)
SikaFlex®-591

Issued to
**Sika Services AG
ZURICH, Switzerland**

is found to comply with the requirements in the following Regulations/Standards:
Annex A.1, item No. A.1/3.18a and Annex B, Module B in the Directive; SOLAS 74, Reg. II-2/3, II-2/5, II-2/6, II-2/9 & X/3, IMO MSC/Circ. 1120, 2000 HSC Code 7 and IMO 2010 FTP Code

Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2021-06-05**.

Issued at **Hamburg** on **2016-06-06**

DNV GL local station:
Augsburg

Approval Engineer:
John Alan Walton



Notified Body
No.: **0098**



for **DNV GL SE**
Digitally Signed By: Mydlak-Röder, Christine
Location: DNV GL Hamburg, Germany
Signing Date: 2016-06-08, on behalf of

Sven Dudzusz
Head of Notified Body

A U.S. Coast Guard approval number will be assigned to the equipment when the production module has been completed and will appear on the production module certificate (module D, E or F), as allowed by the "Agreement between the European Community and the United States of America on Mutual Recognition of Certificates of Conformity for Marine Equipment", signed February 27th, 2004.

The mark of conformity may only be affixed to the above type approved equipment and a Manufacturer's Declaration of Conformity issued when the production-surveillance module (D, E or F) of Annex B of the MED is fully complied with and controlled by a written inspection agreement with a Notified Body. The product liability rests with the manufacturer or his representative in accordance with Council Directive 96/98/EC, as amended.

This certificate is valid for equipment, which is conform to the approved type. The manufacturer shall inform DNV GL SE of any changes to the approved equipment.

Should the specified regulations or standards be amended during the validity of this certificate, the product is to be re-approved before being placed on board a vessel to which the amended regulations or standards apply.

Job Id: **344.1-005621-1**
Certificate No: **MEDB000019T**

Product description

SikaFlex®-591 is an elastic PUR-Hybrid sealant based on a silan terminated polymer (colour: transparent).
Applied maximum amount of the product: 200 g/m².

Application/Limitation

Low flame spread surface material, not generating excessive quantities of smoke nor toxic products in a fire.

Approved for use on a non-combustible substrate having a thickness of 15mm or greater.

Maximum gross calorific value shall be documented separately where applicable, ref. SOLAS Chapter II-2 Reg. 5.3.

Each product is to be supplied with its manual for application and use.

Type Examination documentation

Test Report No. 5P08556 dated 2015-12-07 issued by SP Technical Research Institute of Sweden.

Manufacturers's product data sheet SikaFlex®-591 Version 1 (01/16)

Tests carried out

Tested according to IMO Res. MSC.307 (88) – (2010 FTP Code), Annex 1, Part 5.

As per IMO Res. MSC.307(88), Annex 2, Clause 2.2 "SikaFlex®-591" meets the requirements of Annex 1, Part 2 (smoke and toxicity) without further testing.

Marking of product

The product or packing is to be marked with name of manufacturer, type designation and MED Mark of Conformity (see page 1).