

TYPE APPROVAL CERTIFICATE

DNV·GL

This is to certify that the undernoted product(s) has/have been tested in accordance with the relevant requirements of the DNV GL Type Approval System.

Certificate No. **13 739 - 99 HH**

Company **Höhne GmbH
Fabrik für elektrochemische Isolierungen
Werner-von-Siemens-Str. 34
24568 Kaltenkirchen, GERMANY**

Product Description **Cable penetration system with KVM sealing compound for class "A" bulkheads and decks**

Type **KVM Sealing Compound**

Environmental Category **None**

Technical Data / Range of Application **The system comprise: Steel frame, maximum size 250 x 500 mm, minimum size 100 x 100 mm, min. length 250 mm for bulkheads and 210 mm for decks, 180 mm sealing compound KVM and 35 / 30 mm MANGANA retaining compound.**

Mixing ratio: Volumetric parts: 2 parts powder, 1 part liquid

Fire test: Approved as cable penetration system in class A-60 bulkheads and decks acc. to IMO Res. MSC.307(88)- (2010 FTP Code)

Insulation: Partly insulated transit for class A-60 bulkheads and decks acc. to the manufacturer's drawings included in the test reports.

**Cable occupation: max. 40%
Distance between the adjacent cables: min. 5mm**

**Watertightness: 2,5 bar
Gastightness: 30 mbar**

Test Standard **GL Test Requirements for Sealing Systems of Bulkhead and Deck Penetrations (VI-7-4), Edition 2014 and IMO Res. MSC.307(88)- (2010 FTP Code)**

Documents **Test report : TÜV Nord, Nr. GV 98.11.1 dated 04.09.1998
Nr. GH 97.20.1 dated 24.11.1997
MPA Dresden, Nr. 99-21-0265-01 and 02 dated 20.01.1999
MPA Dresden, Nr. 20140296/01 + /02 dated 08.06.2015
Insulation drawings: Höhne No.: 14-05/1-K, 14-05/2-K, 14-06/1-K, 14-06/2-K**

Remarks **This certificate is issued on the basis of GL Guidelines for the Performance of Type Approvals, Chapter 1 - Procedure (VI-7-1), Edition 2007 and Chapter 4 - Test Requirements for Sealing Systems of Bulkhead and Deck Penetrations (VI-7-4), Edition 2014**

Valid until **2020-07-30**

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Type Approval Symbol



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