

# Type Approval Certificate



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

Certificate No. 13 748 - 99 HH

Company Rudolf Hensel GmbH  
Lauenburger Landstraße 11  
21039 Börnsen, GERMANY

Product Description Ablation fireretardant coating compound for fire protection on electric cables

Type HENSOMASTIK 5 KS

Environmental Category None

Technical Data /  
Range of Application Base of material: Solvent-free white dispersion with flame retarding pigments. Free from halogene, asbestos and ceramic fibre.

Properties: 5 KS is a mediumviscosity, nonhygroscopic fireproofing compound, that is applied in thick coats to cable coating.  
5 KS once dry right through is viscoelastic, impermeable, resistant to oil and petrol spills, weatherproof, virtually odourless and enviroment friendly.

Application: 5 KS should be applied at it's original viscosity.  
It can be applied with conventional brush, roller or with airless spraying equipment.

Dry-layer-thickness: 1 mm

Test Standard IEC Publication 60332-3 cat A:1992  
IEC 60331-21:1999 (with remarks)

Documents Test report : U 97 085, IBMB  
Technical data sheet, Hensel, 3/2002  
Test report: nkt cables a/s dated of 14.12.2006

Remarks The application according to IEC 60331-21 is restricted to halogen free armoured shipboard cables with cross-sections over 2,5mm<sup>2</sup> and over all diameter ≤ 20mm

Valid until 2016-08-30

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Type Approval Symbol



Germanischer Lloyd

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This certificate is issued on the basis of "Guidelines for the Performance of Type Approvals Part 1, Procedure".