

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Application of: Directive 2014/90/EU of 23 July 2014 on marine equipment (MED), issued as "Forskrift om Skipsutstyr" by the Norwegian Maritime Authority. This Certificate is issued by DNV GL AS under the authority of the Government of the Kingdom of Norway.

This is to certify:

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

with type designation(s)
Technomelt PUR 4655 ME

Issued to
Henkel AG & Co. KGaA
Düsseldorf Nordrhein-Westfalen, Germany

is found to comply with the requirements in the following Regulations/Standards:
Regulation **(EU) 2015/559**,
Annex A.1, item No. A.1/3.18e 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

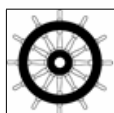
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2021-09-01**.

Issued at **Høvik** on **2016-12-08**

DNV GL local station:
Essen

Approval Engineer:
Tessa Biever



Notified Body
No.: **0575**

for **DNV GL AS**

Vidar Dolonen
Head of Notified Body

Job Id:
Certificate No: **MEDB00001KH**

Product description

"Technomelt PUR 4655 ME"

One component reactive hotmelt adhesive based on polyurethane prepolymers.

Amount of adhesive applied 80 g/m².

Organic content: 100%.

Application/Limitation

Approved for use as adhesive with low flame spread characteristics, not generating excessive quantities of smoke nor toxic products in fire.

Maximum gross calorific value shall be documented separately where applicable, ref. SOLAS Chapter II-2 Reg. 5.3.2.

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

Type Examination documentation

Test reports: SN09/6883.2 dated 26 January 2010 from TÜV Nord, Bauqualität GmbH & Co. KG, Hamburg, Germany.

Tests carried out

Tested according to IMO FTPC Part 5 and Annex 2 item 2.2 and in compliance with IMO 2010 FTP Code Ch.8.

Marking of product

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