

TYPE EXAMINATION CERTIFICATE

This is to certify:

That the Composite Repair Systems

with type designation(s)

Pipe and Tank Repair Calculation Tool version 2.0.3

Issued to

Henkel AG & Co. KGaA
Garching, Germany

is found to comply with

ISO 24817:2015 "Petroleum, petrochemical and natural gas industries – Composite repairs for pipework – Qualification and design, installation, testing and inspection"
ASME PCC2-2015 Part 4 – Article 4.1 "Nonmetallic Composite Repair Systems: High-Risk Applications"

Application :

Computer program for the design of composite repairs of pipes and tanks according to the standards ISO 24817:2015 and ASME PCC2-2015 Part 4 - Article 4.1

Issued at **Hamburg** on **2017-12-08**

This Certificate is valid until **2022-12-07**.

DNV GL local station: **Hamburg Pressure & Underwater Technology**

for **DNV GL**

Approval Engineer: **Henrik Derlien**

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Harald Pauli
Head of Section

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid. The validity date relates to the Type Examination Certificate and not to the approval of equipment/systems installed.





Job Id: **262.1-027671-1**
Certificate No: **TAK000011G**

Product description

This computer program provides the dimensions for the application of composite repairs to pipes and vessels depending on the kind and size of the defect to be repaired. Two different standards can be selected for calculation, ISO 24817:2015 and ASME PCC2-2015 Part 4 - Article 4.1.

Type Examination documentation