



Industrie Service

**WILLBRANDT KG**  
**Schnackenburgallee 180**  
**22525 Hamburg**

The above organisation is hereby entitled, on the basis of certificate No. 18 09 90306 001, to affix the certification body's certification mark shown below to the following product (see description below). The details of the tests are outlined in the pertinent reports.



The product satisfies the requirements based on the DIN 4809 "Expansion joints made of elastomeric composite materials (rubber compensators) for water heating systems "with max.100 ° C / 10 bar or with 110 ° c / 6 bar.

**Product description:**

Rubber expansion joints consisting of a composite with elastomeric material EPDM and cord inserts made of PEEK for the following types and nominal diameters:

Type description	Typ 46	Typ 49	Typ 50	Typ 55
Nominal diameter	DN 20 – DN 50	DN 32 – DN 300	DN 20 – DN 500	DN 20 – DN 500

This certificate is valid to **September 2021**.  
 Factory surveillance (production monitoring) is carried out annually.

Munich, September 18, 2018

TÜV SÜD Industrie Service GmbH  
 Institut for Plastics



i. A. Schweizer