



# Technical Information

## Planning of Installation of fabric expansion joints

RAL-GZ 719

**TI-009**

Rev. 2 – 02/03

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### 1. Basics requirements for installation

Following issues need to be respected to guarantee a safe and sound installation:

- The scope of supply has to be checked for completeness and damages right after delivery, latest however, prior the installation. This is essential to prevent a delay of the site work.
- The installation of the ductwork should be completed to avoid damages as a result of welding, grinding and the installation of insulation.
- The condition of the installation site is as according to the valid safety regulation (proper scaffolding etc.)
- Supply of energy sources (e.g. electricity, compressed air etc.)
- Cleansing of the installation location was completed (ash accumulation, condensate, etc.)
- Mounting of fixation elements, which will be re-used after removal of the previous expansion joint (check condition of these elements).
- Check all interface parts and installation dimensions according to TI-013 "Tolerances for interface parts and installation dimension of fabric expansion joints", especially:
  - Face to face distance of duct flanges
  - Inclination of duct flanges / flange alignment
  - Preset and misalignment of bolt hole patterns
  - Quality of the sealing surface
  - Smooth and plain welding seams on sealing surface
  - Radiused, chamfered and burr-free fixation bars (clamping / back-up bars)

### 2. Installation preparation of the fabric expansion joint

- Check correct installation location for each expansion joint
- Check all marked parts (according to installation instruction, and approval drawing etc.)
- Respect TI-008 "Storage, packing and transportation of fabric expansion joints"
- Provide installation instruction to site personnel
- Provide proper tooling for installation

**Edited by the Quality Committee of the Quality Association  
for Fabric Expansion Joints**