

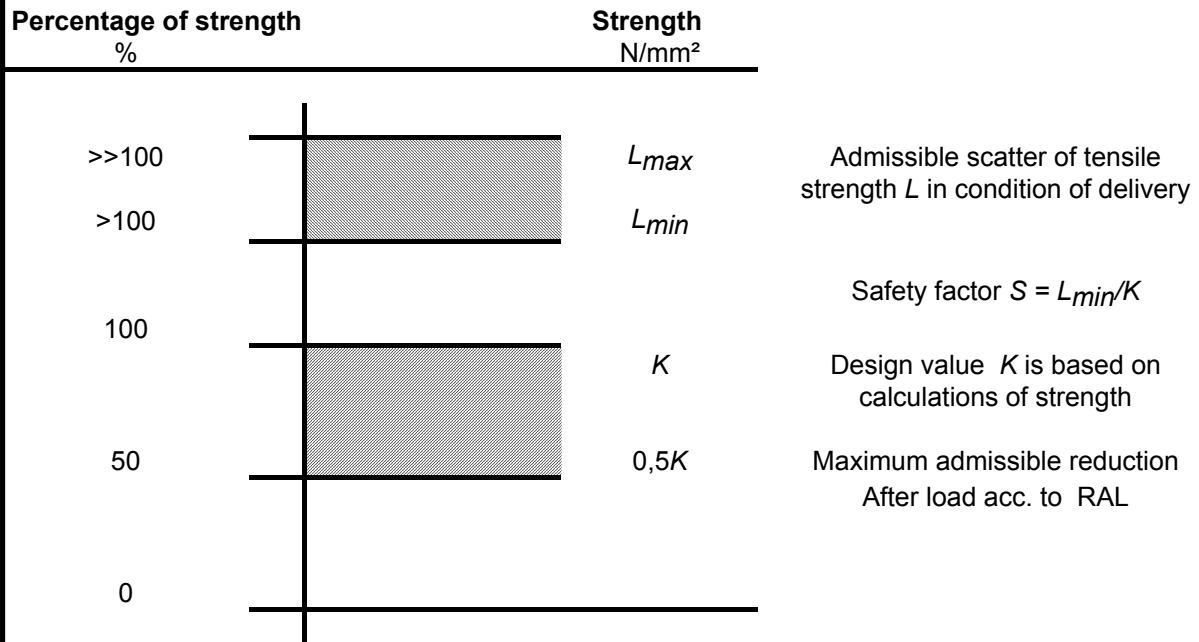


# Technical Information

## Determination of tensile strength of supporting layers for fabric expansion joints

RAL-GZ 719  
**TI-001**  
 Rev. 1 – 06/98  
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1. In conformance with the Quality and Test Regulations RAL-GZ 719, Item 3.1.2, paragraph 4, the mechanical strength values must be stated in the "Material's Data Sheet" for multi layer fabric expansion joints.
  - 1.1 The tensile strength of supporting layers after a thermal influence or chemical load according to Items 3.2.3 and 3.2.4 of the "Test Regulations" must not decrease by more than 50 % relative to the so-called "basic value".
2. This basic value should be considered as a "design value" which ensures that fabric expansion joints resist to the mechanical and chemical loads in practical application.
  - 2.1 The design value should be specified by the manufacturer of the expansion joint, as this value is subject to the qualitative properties of the semi-finished products.
3. The condition of delivery of semi-finished products is specified and is monitored by the incoming goods' inspection. With regard to the tensile strength, the minimum strength in the condition of delivery  $L_{min}$  is above the design value  $K$ , according to the safety factor  $S$  satisfying the task, as shown in the graphic.



4. The tensile strength is tested according to 3.2.5. Results must meet the requirements of the "Material's Data Sheet".

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