



Technical Information

Determination of tensile strength of supporting layers for fabric expansion joints

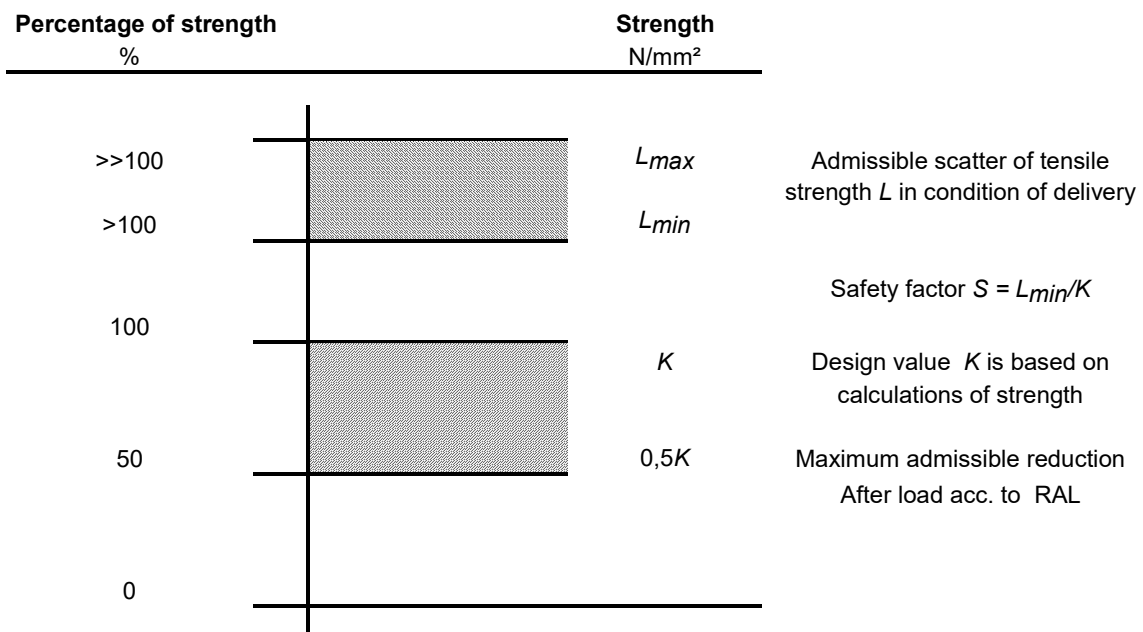
RAL-GZ 719

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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