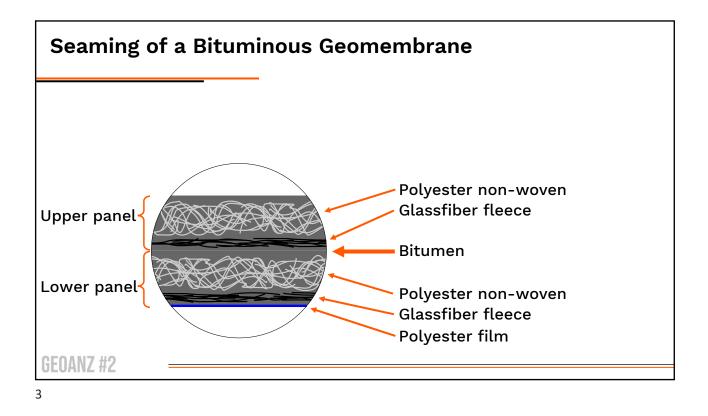
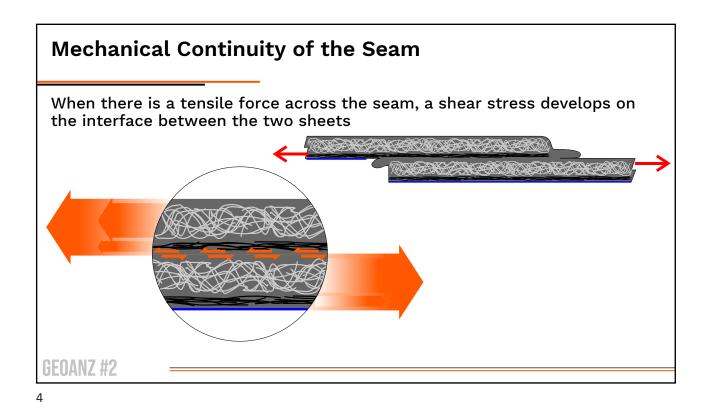
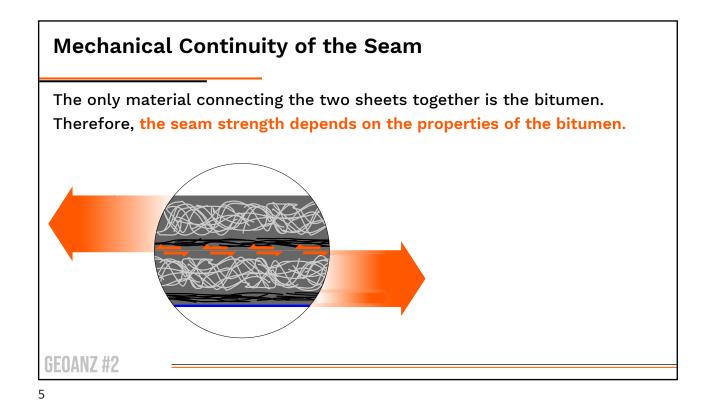


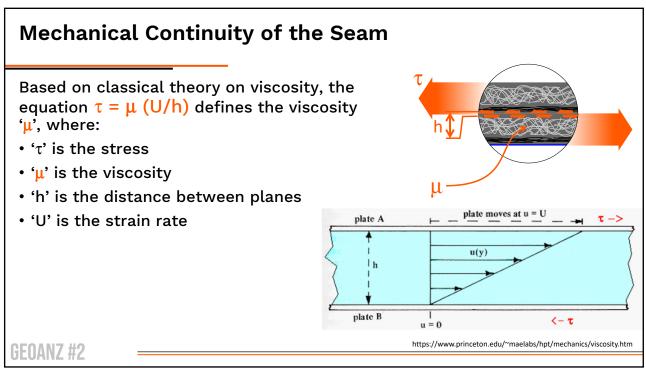
Difference between BGM Seams and other seams?
For thermoplastic geomembranes (monolithic PE, PVC) the seam creates a continuous material – down to the scale of the polymer.
For BGM, the seam binds the geomembrane sheets together to create a continuous (watertight) plane.
GEOANZ #2

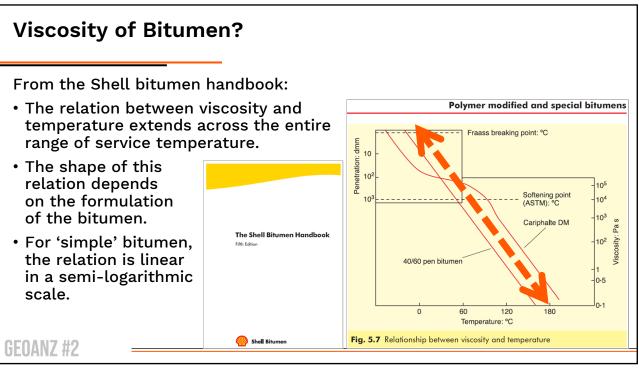


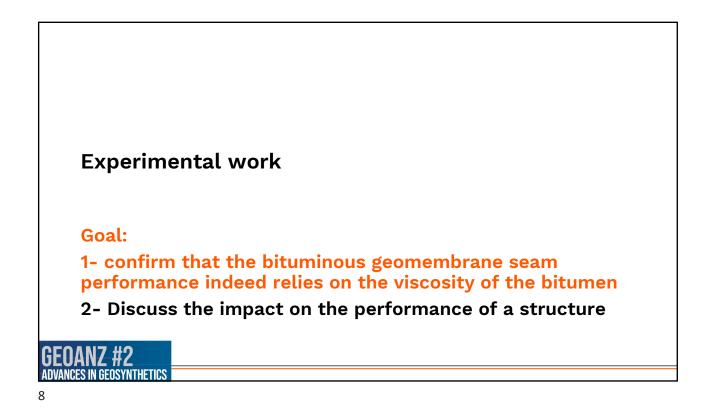


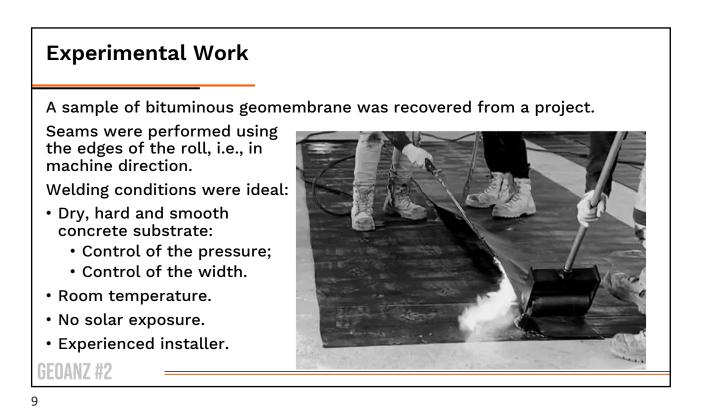
Behavior of Bituminous Geomembranes Exposed to Tensile Stress

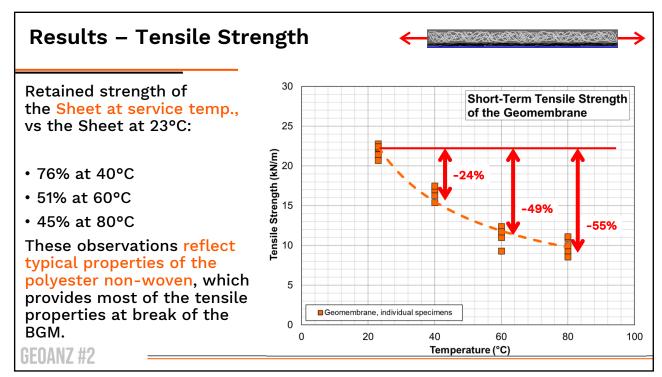




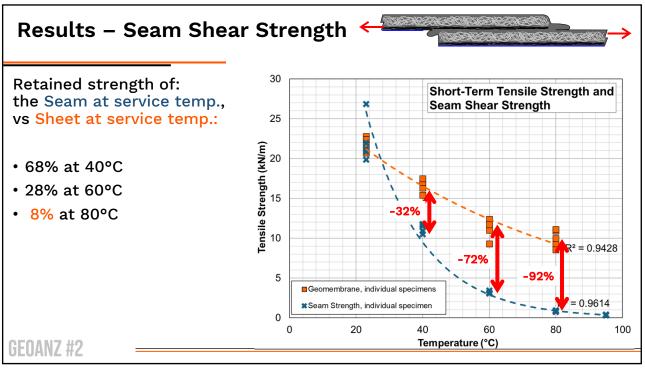


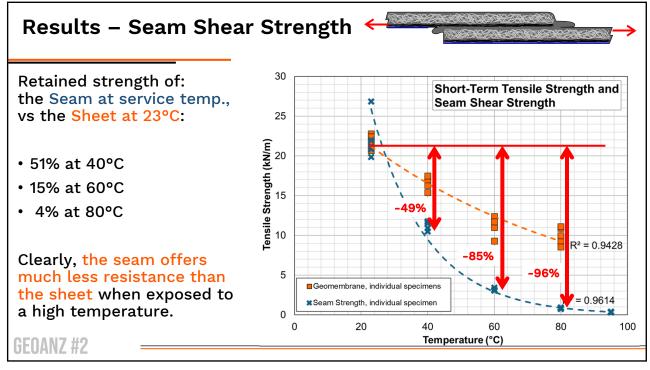


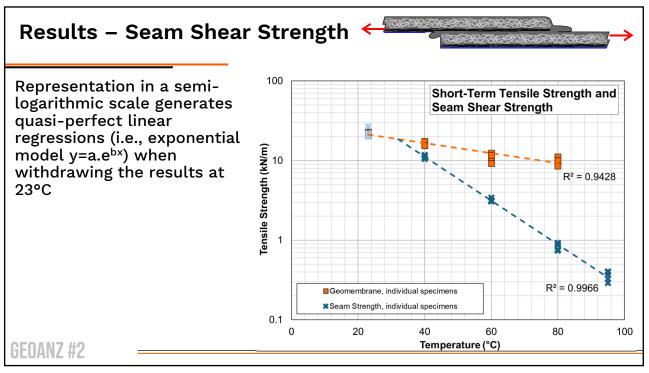


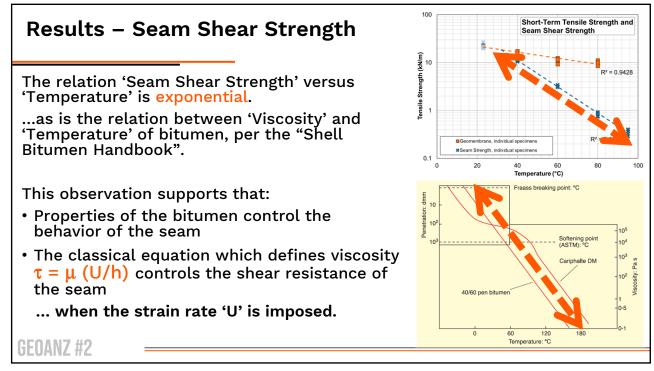


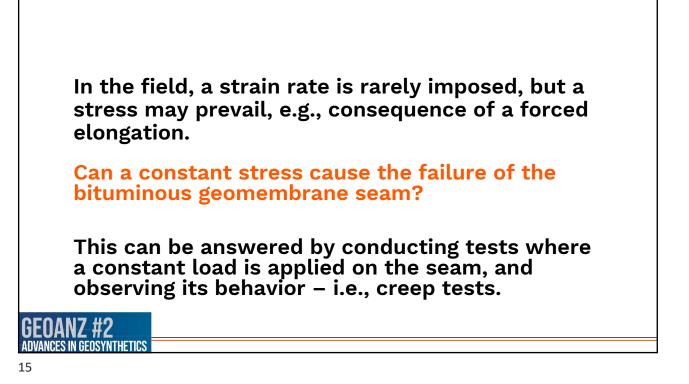


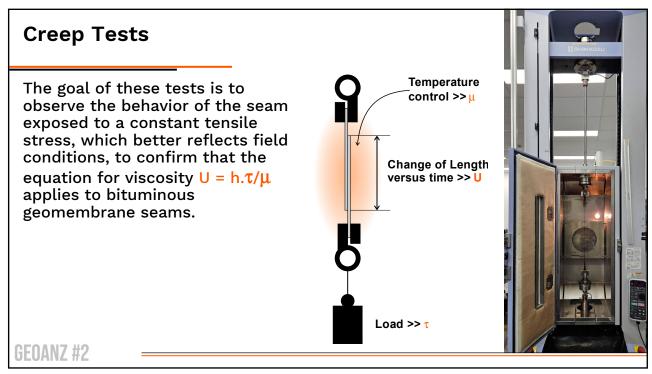




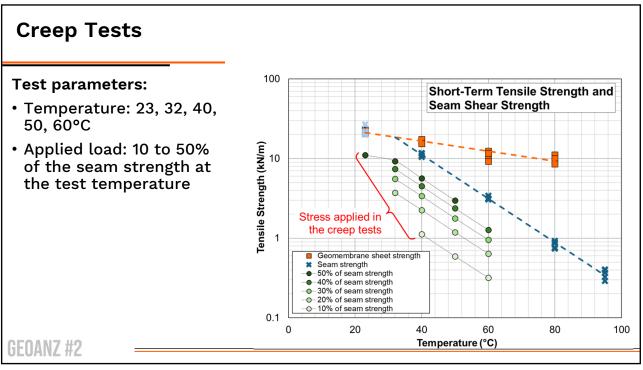


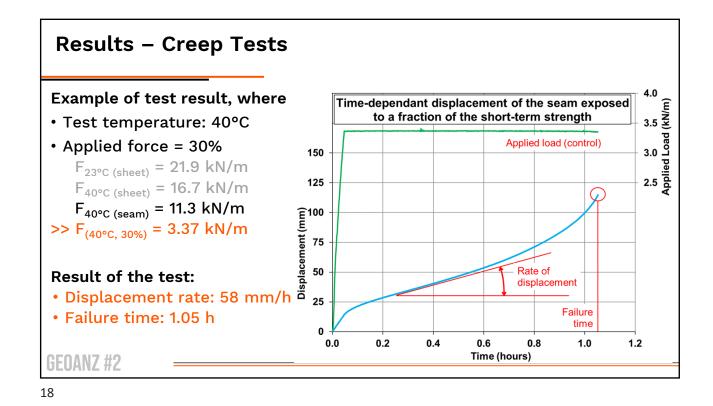


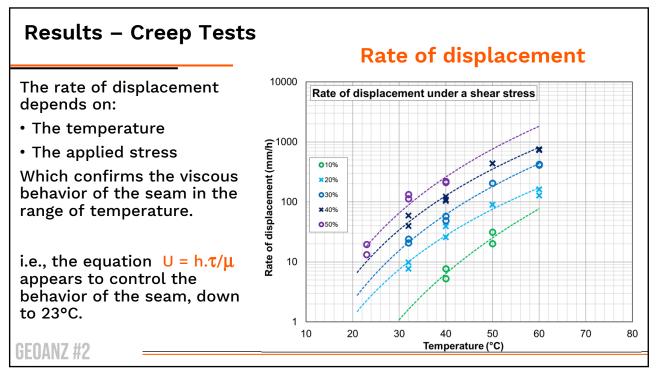


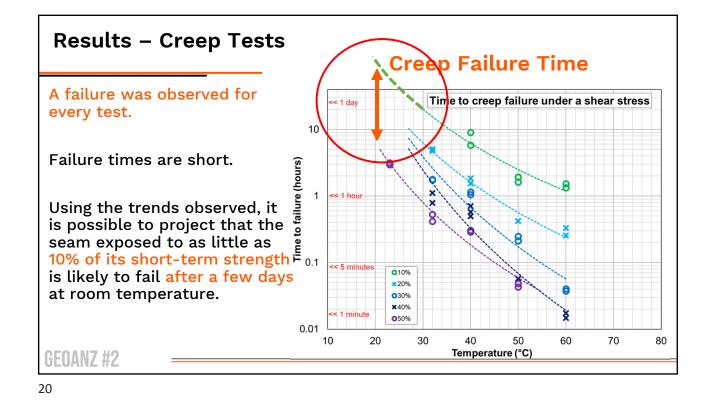




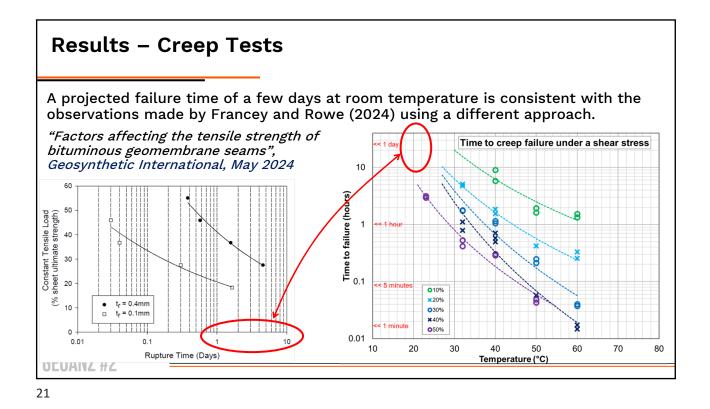


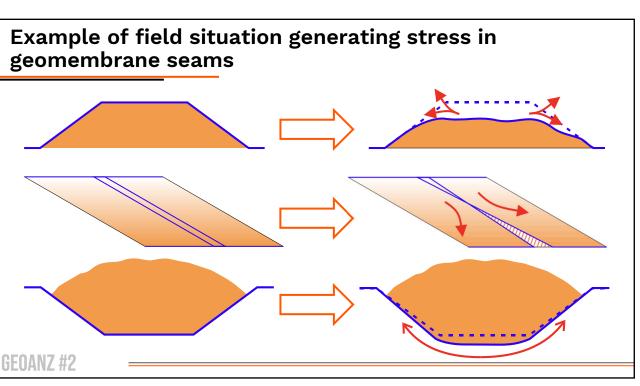




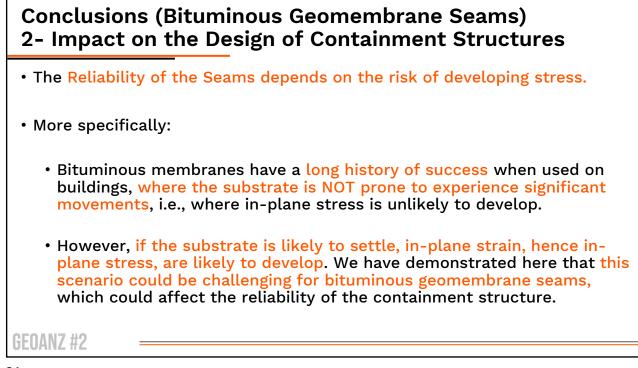


Behavior of Bituminous Geomembranes Exposed to Tensile Stress





Conclusions (Bituminous Geomembrane Seams) 1- Predictable Behavior
 The Short-Term Seam Strength of Bituminous Geomembranes is highly sensitive to temperature.
• The bituminous geomembrane seam exhibits a viscous behavior in the range of temperature tested.
• Consequently, if a seam is exposed to a constant stress in this range of temperature, the time to failure will depend on the temperature and on the stress. But the failure will always come.
GEOANZ #2



Conclusions (Bituminous Geomembrane Seams) 3- Terminology

• Due to their viscous behavior, which fundamentally differs from the seams of other types of geomembranes, the terminology 'sealing' would be better-suited than 'welding' to qualify the seams of bituminous geomembrane.

GEOANZ #2

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