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Q: Does the assignment of Level-1 vs 2 creep compliance impact the prediction of Top-Down crack?

A: There is no direct impact from creep compliance on top-down cracking. There is an impact from dynamic modulus and tensile strength. Specifically dynamic modulus does impact top-down cracking and indirect tensile strength has an impact on top-down cracking. But there is no direct impact between creep compliance and top-down cracking.

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Q: Level 1 data is not always available for creep compliance. How does one approach with different levels of creep compliance for calibration?

A: Good question. What I would suggest is if you do not have Level 1 data for creep compliance, the user or whomever is doing the calibration needs to consider basically two options.

- One option would be to use Input Level 1 dynamic modulus data, if the agency has that data. If the agency does have Input Level 1 modulus data, my suggestion would be to use Level Input Level 2 Creep Compliance.
- If the agency does not have Input Level 1 Dynamic Modulus Data, that means the local calibration would need to be done using Creep Compliance Level 3. So, you are going to use the regression equations that are embedded in Pavement ME. If that's done, you just need to remember going forward for the design that you need to continue to use Input Level 3 Creep Compliance data until an agency has developed or tested enough mixtures using either Input Level 1 Dynamic Modulus and/or Input Level 1 Creep Compliance data.