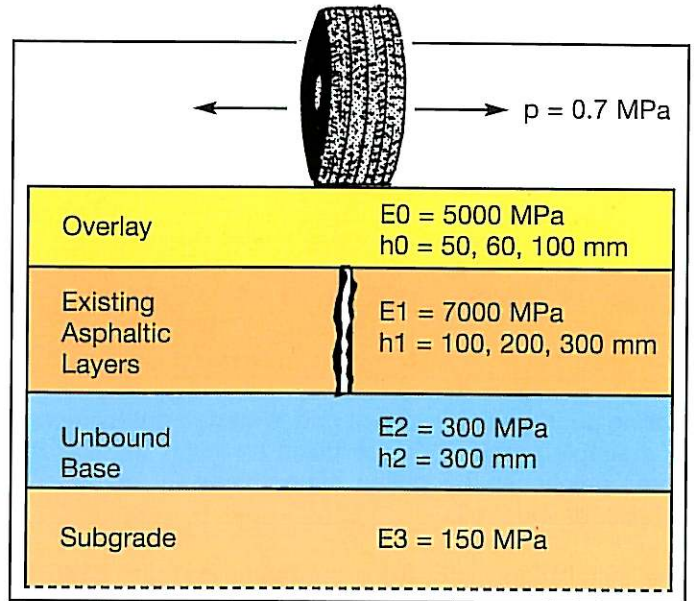
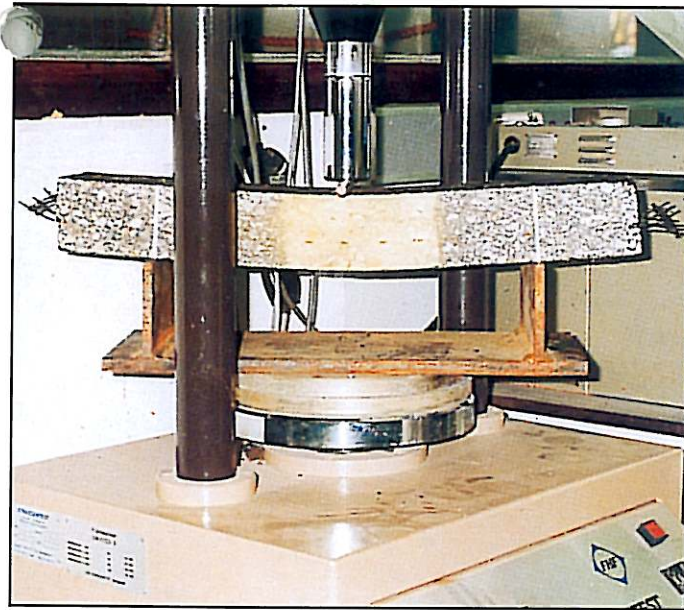


Longer Repair Intervals



The rate of growth of a crack in an asphalt layer depends upon the number of load cycles, the magnitude of the stresses which occur and the mechanical properties of the asphalt. Because the mechanical properties of the asphalt are improved with the use of **HaTelit®** the rate of growth of the crack is reduced.

It is possible to confirm this fact impressively through laboratory examination of reinforced and unreinforced asphalt test specimens. The mechanical properties of the

test specimens were first determined in three-point bending tests and a finite element program with the calculation model shown was used to determine design curves. The number of load cycles which are necessary before a crack penetrates the asphalt overlay can be read directly from the design curves.

A comparison between reinforced and unreinforced asphalt overlays shows that a reinforced asphalt layer can be loaded about three times as often before the asphalt breaks. This is a confirmation of the experience obtained in practice, that the repair intervals can be lengthened through the use of **HaTelit®**.

