

ABSTRACT

IN-SITU NON-DESTRUCTIVE ELASTIC RECOVERY TESTER

A method for the non-destructive, in-situ assessment of a resilient elastic substrate, said method comprising the steps of:

applying detector means to a surface of said substrate;

urging said detector means into said substrate at a substantially constant speed to a predetermined depth;

holding said detector means at said predetermined depth for a predetermined time;

releasing said detector means, allowing elastic recovery of said substrate; and

processing compressibility and/or elastic recovery of said substrate during said urging, holding and/or releasing steps. An elastic recovery testing assembly for the non-destructive, in-situ assessment of a resilient elastic substrate, said assembly comprising:

detector means adapted to be applied to a surface of said substrate and urged into said substrate at a substantially constant speed and held in said substrate at a predetermined depth for a predetermined time;

actuating means for actuating said urging of said detector means into said substrate; and

processing means for storing and/or processing compressibility and/or elastic recovery of said substrate.

(Fig. 1 is to be published)