



Elastapack is a stone mastic asphalt SMA surface course material. The aggregate composition and mix design give it its inherent strength characteristics and increased resistance to rutting over and above that is seen with hot rolled asphalt.

Elastapack is a highly durable material with its surface texture meeting the requirements set out by the transport infrastructure. The name was appropriately chosen to encompass the durability and flexibility of the mix providing the customer with a long-lasting product. It is primarily used for road surfacing for national and non-national roads and urban streets.

With a comprehensive range of test equipment, we had available we measured a wide range of material characteristics including stiffness, fatigue and permanent deformation by both indentation and vacuum triaxial methods. Aggregates, Bitumen's and Fillers are also tested in the laboratory.

The Laboratory has performed many material designs over the last few years such as Porous Asphalt (M50), Marshall Asphalt (Dublin & Shannon Airports) and a large range of Thin Layer Asphalts (NRA Motorways). Comprehensive design protocols have been established in the laboratory for various material types which ensure that end performance requirements are achieved. The laboratory has also developed new materials which offer solutions and a wider choice to our customers. The tests performed in the laboratory are accredited by the National Accreditation Board.

With the introduction of the EN13108 series of Bituminous product standards there is now a requirement for our products to be Type Tested. This type testing can incorporate performance testing, and this is done in the Laboratory. Guidance on current Type Test requirements is given in Standard Recommendation (SR) 28- Standard Recommendation for the use of the EN 13108 series.