

FortSeal^B



An **affordable** solution for Carriageway Preservation

At a time when the economic climate is difficult and the pressure on local authority budgets has increased, it is beneficial to consider a carriageway surface treatment that will preserve and provide a 'holding situation' on particular types of carriageway surfaces and specific locations.

Fortseal application is quick and efficient, minimising disruption to traffic or residents. Fortseal is applied from conventional spray tanker at a low rate of spread (to be designed by our engineers) taking approximately 1 hour to-break (subject to weather conditions) after which the site can be opened to traffic.

FortSeal Carriageway Preservation consists of spraying a specially formulated hard polymer-modified bitumen emulsion on to the carriageway surface. This process seals the surface to prevent the effects of oxidation and ravelling, helping to arrest further deterioration of the carriageway surface.

FortSeal is durable and can withstand the effects of moisture, heavy snow and gritting and is capable of sealing minor cracks.

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FortSeal can be applied to most types of bituminous surfaces such as HRA, SMA Macadams etc which have become 'dry' and 'hungry' and are beginning to lose their integrity, or on to old Surface Dressings where chippings are becoming dislodged and beginning to fret out from the ageing bitumen binder.

FortSeal can also be applied to aged Slurry/Microsurfacing that are beginning to show signs of distress owing to the ingress of water. FortSeal will provide a waterproof sealant membrane that will help to arrest the onset of de-bonding and prolong the life of the surface as a 'holding' measure.

FortSeal has the added benefit of resulting in a black road surface after application which aesthetically improves the appearance of the site instantly; in time, the action of traffic wears the binder from the microtexture of the aggregate restoring it to the original colour and texture, the FortSeal remains in the macrotexture of the surface, retarding the weathering process.

Suitable FortSeal Applications

- Where a surface is suffering from oxidation - looks 'dry and hungry'
- Residential Streets
- Distributor Roads
- Motorway Hard Shoulders
- Low unit cost

Benefits of FortSeal

- Low CO² emissions
- Fast simple application using conventional Spray Tanker
- Road open for use in 1 hour (subject to weather conditions)
- Extends life of existing carriageway surface



FortSeal Application Season

Can be applied during 8 months of the year, where daytime air temps +8°C, cloud coverage <50%, and wind speeds exceed approximately 10mph.

FortSeal Spray Application

