

Tufflayer®

Technical data sheet

Tufflayer® offers an alternative SAMI (stress absorbing membrane interlayer) to asphalt reinforcing layers by providing a highly polymerised impermeable crack relief interlay solution that also protects lower layers from water ingress.

Laid by conventional paving equipment the Tufflayer solution uses a specially designed polymer modified bitumen (PMB). Tufflayer achieves optimum flexibility, enhances fatigue resistance and significantly delays the effects of reflective cracking. Avoiding the use of geogrids also reduces on-site equipment and personnel, reducing the health and safety risk.

The unique Tufflayer design achieves a low voids impermeable finish making it ideal for concrete overlays or any site where reflective cracking may be an issue.

Using Tufflayer as an alternative to geogrids provides a superior design solution at reduced whole life cost.

Benefits

- High levels of flexibility
- Significant delays in reflective cracking
- Protect lower pavement from moisture ingress
- Increased durability
- Cost and carbon effective over the whole life
- Reduced CO₂ when supplied as era 140
- 100% recyclable

Available with the following options:
era®/CleanAir®/AgeLast®/RecyclePlast®

Use this product for

- Concrete overlays
- Sites where reflective cracking is an issue
- Major projects

Tufflayer technical data

Typical material properties	Typical result
Target thickness	25mm
Minimum overlay thickness	35-40mm
Overlay thickness in heavily trafficked areas	100mm
Typical laying temperature	160-175°C
In situ voids	0.5-2.0%
Resistance to deformation	Class 2 60°C (CI 943 requirement)
Fatigue life	Up to 25 times higher when compared with a conventional bitumen solution*

Typical performance figures

Material property	Test specification	Typical result
Design void content	BS EN 12697-6	Vmin 0.5% – Vmax 3.0%
RTPD (wheel tracking)	BS EN 12697-22 Procedure B WTS in Air	≤ 1.0mm/10 ³

*Analysis of ITFT data using 40/60 DBM as a comparator.

Please see asphalt product matrix for further information or contact technical:

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**CRACK
RESISTANT**



**PREVENTS
WATER INGRESS**



FLEXIBLE



**FATIGUE
RESISTANT**



**REDUCED
CO₂**



**INCLUDES
RECYCLED CONTENT**