

# Durafalt®

## Technical data sheet

**Durafalt® is our 40/60 penetration grade stone mastic asphalt (SMA) thin surfacing system (TSCS). It is produced in accordance with the Specification for Highway Works (SHW) 941 and was developed for motorways and other major highways.**

Durafalt uses high quality, high polished stone value (PSV) aggregates. It provides excellent levels of noise and spray reduction, while yielding high levels of skid resistance with a texture that is retained throughout its service life. Durafalt is also resilient enough to stand up to heavy traffic yet provide an ultra-smooth ride.

Durafalt can also be produced using Heidelberg Materials' era 140 warm mix process, meeting the requirements of current National Highways major network specifications.

Installation is by Heidelberg Materials' contracting division or licensed laying contractors in line with Heidelberg Materials' own installation manual in accordance with SHW Clause 942. Durafalt comes with a 5-year guarantee underwritten by the contractor.

### Use this product for

- Highways/motorways
- Major projects
- Major local authority networks

### Benefits

- 5-year performance guarantee
- Excellent resistance to deformation
- Enhanced ride quality
- Reduced noise
- Excellent spray reduction
- Reduced CO<sub>2</sub> when supplied as era 140
- 100% recyclable

**Also available with the following options:  
era®/CleanAir®/RAP**

### Durafalt technical data

| Coarse aggregate  |   |
|---|---|
| Los Angeles abrasion value  | 30 max  |
| Aggregate abrasion value  | As specified in SHW Clause 942 (Appendix 7.1)   |
| Flakiness index   | 20 max  |
| Nominal sizes   | 10mm; 14mm                                      |
| Binder  | High performance polymer modified bitumen (PMB) |
| Layer thickness. Details of constituent quality and layer thickness shown below |   |
| 10mm nominal size   | 25 – 50mm                                       |
| 14mm nominal size   | 35 – 50mm                                       |
| Surface texture (on installation)   |   |
| 10mm nominal size   | 1.1 – 1.6mm                                     |
| 14mm nominal size   | 1.3 – 1.8mm                                     |
| (All NH Clause 942 Level 3)   |   |
| Road and laboratory test results  |   |
| Torque bond   | Typical figures +800 KPa                        |
| Noise reduction   | NH Clause 942                                   |



**SKID  
RESISTANCE**



**RESISTANCE TO  
DEFORMATION**



**ENHANCED  
RIDE QUALITY**



**NOISE  
REDUCTION**



**SPRAY  
REDUCTION**



**INCLUDES  
RECYCLED CONTENT**

### Typical performance figures

| Material property     | Test specification                            | Typical result          |
|-----------------------|---|-------------------------|
| *Design void content  | BS EN 12697-6                                 | Vmin 1.0% – Vmax 5.0%   |
| Water sensitivity     | BS EN 12697-12 Method A (ITSR) BS EN 12697-23 | ≥ 80%                   |
| RTPD (wheel tracking) | BS EN 12697-22 Procedure B WTS in Air         | ≤ 0.6mm/10 <sup>3</sup> |

\*Where specified in appendix 7/1.

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

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