



# Ayton Aquagrip KE93P

## Technical Data Sheet

### Intermediate Grade

### Hot Applied Polymer Modified Surface Dressing Emulsion

#### GENERAL

Ayton Aquagrip KE93P is an Intermediate Grade polymer modified cationic bitumen emulsion which complies with grade C70BP2 of EN 13808:2013. It has been designed for use as a surface treatment hot applied surface dressing bitumen emulsion.

Ayton Aquagrip KE93P is manufactured by Ayton Products within Management Systems accredited to ISO 9001:2015, ISO 14001:2015 and ISO 45001:2018.

#### PROPERTIES

Ayton Aquagrip KE93P achieves Intermediate Grade classification in discriminatory tests as defined by Specification for Highway Works Clauses 919 and 922.

#### SURFACING DESIGN

The design and implementation of surface dressing using Ayton Aquagrip KE93P should be carried out in accordance with Road Note 39, Design Guide for Surface Dressing, Design Manual for Roads and Bridges Volume 7 Section 5 Part 2: HD 37/99 and Sector Scheme Document 13.

Ayton Aquagrip KE93P is usually applied at road surface temperatures between 12 °C – 35 °C, in dry conditions, normally between May and August, depending on dressing design.

#### HEALTH AND SAFETY

Ayton Aquagrip KE93P is not classified as hazardous to health or the environment. For further information refer to our relevant Material Safety Data Sheet or contact our Safety, Health and Environment Department.

#### SUPPLY

Availability, prices and conditions of sale are available from our Bitumen Products Sales Department.

#### TECHNICAL SERVICE

Further technical information and advice is available from our Technical Department.

Product code:	KE93P
Revision:	07
Reviewed:	03.08.21
Next review:	31.12.21
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Ayton Products is a trading name of Kier Integrated Services Limited

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## Intermediate Grade

## Polymer Modified Surface Dressing Emulsion

<b>Cationic bituminous emulsion: Ayton Aquagrip KE93P C70BP2 to EN 13808:2013</b>		
Viscosity (dynamic)	100 – 1000 mPa.s (Class 11)	EN 13302
Water effect on binder adhesion	≥ 75 % (Class 2)	EN 13614
Breaking behaviour	< 110 (Class 2)	EN 13075-1 (Forshammar)
Dangerous substances	NPD	-
<b>Residual binder recovered by evaporation from cationic bituminous emulsion according to EN 13074-1</b>		
Consistency at intermediate service temperature	≤ 220 x 0.1 mm (Class 5)	EN 1426
Consistency at elevated service temperature	≥ 39 °C (Class 7)	EN 1427
Cohesion	≥ 1.0 J/cm <sup>2</sup> (Class 4)	EN 13588
<b>Durability Stage 1 Binder recovered by evaporation (EN 13074-1) and subjected to stabilisation (EN 13074-2)</b>		
Durability of consistency at intermediate service temperature	≤ 220 x 0.1 mm (Class 5)	EN 1426
Durability of consistency at elevated service temperature	≥ 39 °C (Class 7)	EN 1427
Durability of cohesion	≥ 1.0 J/cm <sup>2</sup> (Class 4)	EN 13588
<b>Durability Stage 2 Binder recovered by evaporation (EN 13074-1) and subjected to stabilisation (EN 13074-2) and ageing (EN 14769)</b>		
Durability of consistency at intermediate service temperature	NPD	EN 1426
Durability of consistency at elevated service temperature	NPD	EN 1427
Durability of cohesion	NPD	EN 13588

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