



Ayton Aquagrip KE93P

Technical Data Sheet

Intermediate Grade

Polymer Modified Bond Coat Emulsion

GENERAL

Ayton Aquagrip KE93P is an Intermediate Grade polymer modified cationic bitumen emulsion which complies with grade C70BP3 of EN 13808:2013. It has been designed for use as a bond coat / joint sealant bitumen emulsion.

Ayton Aquagrip KE93P is manufactured by Ayton Products within Management Systems accredited to ISO 9001:2008, ISO 14001:2004 and OHSAS 18001:2007.

PROPERTIES

Ayton Aquagrip KE93P achieves Intermediate Grade classification in discriminatory tests as defined by Specification for Highway Works Clause 920.

SURFACING DESIGN

The design and implementation of surfacing using Ayton Aquagrip KE93P should be carried out in accordance with Specification for Highway Works Clause 920, BS 594987 and Design Manual for Roads and Bridges Volume 7 Section 5 Part 2:HD 37/99. For use in Thin Surface Course Systems to Specification for Highway Works Clause 942, reference should also be made to relevant BBA HAPAS documentation if applicable.

HEALTH AND SAFETY

Ayton Aquagrip KE93P is not classified as hazardous to the aquatic 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 (C70BP3)
Revision:	01
Reviewed:	05.06.18
Next review:	05.06.19
Page:	1 of 2



Ayton Products is a trading name of Kier Integrated Services Ltd

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Cationic bituminous emulsion: Ayton Aquagrip KE93P C70BP3 to EN 13808:2013		
Viscosity (dynamic)	100 - 1000 mPa.s (Class 11)	EN 13302
Water effect on binder adhesion	≥ 75 (Class 2)	EN 13614
Breaking behaviour	70 - 155 (Class 3)	EN 13075-1 (Forshammar)
Dangerous substances	NPD	-
Residual binder recovered by evaporation from cationic bituminous emulsion according to EN 13074 -1		
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 ² (Class 4)	EN 13588
Durability Stage 1 Binder recovered by evaporation (EN 13074-1) and subjected to stabilisation (EN 13074 -2)		
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 ² (Class 4)	EN 13588
Durability Stage 2 Binder recovered by evaporation (EN 13074-1) and subjected to stabilisation (EN 13074 -2) and ageing (EN 14769)		
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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