



# Ayton Aquagrip KE92P

## Technical Data Sheet

### Premium Grade

### Polymer Modified Bond Coat Emulsion

#### GENERAL

Ayton Aquagrip KE92P is a Premium Grade polymer modified cationic bitumen emulsion which complies with grade C50BP3 of EN 13808:2013. It has been designed for use as a bond coat bitumen emulsion.

Ayton Aquagrip KE92P is manufactured by Ayton Products within Management Systems accredited to ISO 9001:2015, ISO 14001:2015 and ISO 45001:2018.

#### PROPERTIES

Ayton Aquagrip KE92P achieves Premium Grade classification in discriminatory tests as defined by Specification for Highway Works Clause 920. It may be necessary to store and warm Ayton Aquagrip KE92P to 40 – 50 °C to ease spraying application.

#### SURFACING DESIGN

The design and implementation of surfacing using Ayton Aquagrip KE92P 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 KE92P is 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:	KE92P
Revision:	07
Reviewed:	17.06.20
Next review:	31.12.21
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Ayton Products is a trading name of Kier Integrated Services Ltd

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<b>Cationic bituminous emulsion: Ayton Aquagrip KE92P C50BP3 to EN 13808:2013</b>		
Viscosity (dynamic)	≤ 30 mPa.s (Class 9)	EN 13302
Water effect on binder adhesion	NPD (Class 0)	EN 13614
Breaking behaviour	> 170 (Class 5)	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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