



Declaration of Performance

Cationic Bituminous Emulsion

No. C34

Manufacturer: Colas Ltd, 6210 Bishops Court, Birmingham Business Park, Solihull Parkway, Birmingham B37 7YB

Location: Warrington Works, Loushers Lane, Warrington, Cheshire, WA4 6RZ

Product description: Cationic modified bitumen emulsion for application to recently completed surface dressing on roads and other trafficked areas

Additional information: **Secure Chip** is a bitumen emulsion that reduces the amount of post sweeping of surface dressing by securing the dressing aggregate and reducing the risk of damaged windscreens on passing vehicles.

It should be applied to recently completed surface dressing that has been swept.

The construction product described conforms to the requirements provided below

Annex ZA of BS EN 13808:2013 – AVCP system 2+

No. of Certificate of Factory Production Control

UK 0836-CPR-13/F035

Declared performance

Characteristic	Category	Specification
EMULSION <ul style="list-style-type: none"> Efflux 2 mm at 40°C Water effect on binder adhesion Breaking behaviour 	<ul style="list-style-type: none"> ≤ 20 -70 s (Class 2/3) ≥ 90 (Class 3) 70-195 (Class 3/4) 	EN 13808 – Table 2 EN 12846-1 EN 13614 EN 13075-1
RECOVERED BINDER <ul style="list-style-type: none"> Penetration at 25°C, 0.1 mm Softening point, °C Cohesion by pendulum, J/cm² 	<ul style="list-style-type: none"> ≤ 100 (Class 3) ≥ 50 (Class 4) ≥ 0.7 (Class 5) 	EN 13074-1 EN 1426 EN 1427 EN 13588
STAGE 1 DURABILITY - STABILISED BINDER <ul style="list-style-type: none"> Durability of penetration at 25°C Durability of softening point Durability of cohesion by pendulum 	NPD NPD NPD	EN 13074-1 followed by EN 13074-2 EN 1426 EN 1427 EN 13588
STAGE 2 DURABILITY - AGED BINDER <ul style="list-style-type: none"> Durability of penetration at 25°C, 0.1 mm Durability of softening point, °C Durability of cohesion by pendulum, J/cm² 	<ul style="list-style-type: none"> ≤ 50 (Class 2) ≥ 55 (Class 3) ≥ 0.7 (Class 5) 	EN 13074-1 followed by EN 13074-2 and EN 14769 EN 1426 EN 1427 EN 13588
Dangerous regulated substances	NPD	EN 13808 – 5.5

Signed on behalf of Colas Ltd

Faical Lahmamsi, CEO

Place and date of issue:

Birmingham, England

23/01/2023