



## Declaration of Performance

### Cationic Bituminous Emulsion

**No.** C5

**Manufacturer**

Colas Ltd, Rowfant, Crawley, West Sussex, RH10 4NF

**Location**

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

**Product description**

Premium grade cationic modified bitumen emulsion for use in hot applied surface dressing of roads and other trafficked areas

**Additional information**

**Premium 80** is a high-performance, premium grade binder that can be used for high category roads and high stress areas. Subsequent heating is to be controlled so that the emulsion is circulated fully and the temperature does not exceed 90°C. It is recommended that the emulsion is sprayed by calibrated tankers at a rate of spread in accordance with national guidelines.

**The construction product described conforms to the requirements provided below**

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

**No. of Certificate of Factory Production Control**

0836-CPR-13/F035

**Declared performance**

Characteristic	Category	Specification
EMULSION <ul style="list-style-type: none"> <li>Efflux 4 mm at 40°C</li> <li>Water effect on binder adhesion</li> <li>Breaking behaviour</li> </ul>	5-70 s (Class 5) ≥ 90 (Class 3) < 110-195 (Class 2/3/4)	EN 13808 – Table 2 EN 12846-1 EN 13614 EN 13075-1
RECOVERED BINDER <ul style="list-style-type: none"> <li>Penetration at 25°C</li> <li>Softening point</li> <li>Cohesion by pendulum</li> </ul>	≤ 220 (Class 5) ≥ 46°C (Class 5) ≥ 1.2 J/cm <sup>2</sup> (Class 3)	EN 13074-1 EN 1426 EN 1427 EN 13588
STAGE 1 DURABILITY - STABILISED BINDER <ul style="list-style-type: none"> <li>Durability of penetration at 25°C</li> <li>Durability of softening point</li> <li>Durability of cohesion by pendulum</li> </ul>	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"> <li>Durability of penetration at 25°C</li> <li>Durability of softening point</li> <li>Durability of cohesion by pendulum</li> </ul>	NPD NPD NPD	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**

Stewart Struthers, Deputy CEO & Director Products & Processes

**Place and date of issue**

Rowfant, England

14 May 2014