



## Declaration of Performance Cationic Bituminous Emulsion

**No.** C5

**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:** 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 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		EN 13808 – Table 2
<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 12846-1 EN 13614 EN 13075-1
RECOVERED BINDER		EN 13074-1
<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 1426 EN 1427 EN 13588
STAGE 1 DURABILITY - STABILISED BINDER		EN 13074-1 followed by EN 13074-2
<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 1426 EN 1427 EN 13588
STAGE 2 DURABILITY - AGED BINDER		EN 13074-1 followed by EN 13074-2 and EN 14769
<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>	≤ 220 (Class 5) ≥ 46°C (Class 5) ≥ 1.0 J/cm <sup>2</sup> (Class 4)	EN 1426 EN 1427 EN 13588
Dangerous regulated substances	NPD	EN 13808 – 5.5

**Signed on behalf of Colas Ltd**

Faical Lahmamsi, Chief Executive Officer

**Place and date of issue:**

Birmingham, England

23/01/2023