



## Declaration of Performance

### Cationic Bituminous Emulsion

**No.** C33

**Manufacturer**

Colas Ltd, Unit 6210 Bishops Court, Solihull Parkway, Birmingham, West Midlands B37 7YB

**Location**

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

**Product description**

Cationic modified bitumen emulsion for use as bond coat and surface course joint preparation for roads and other trafficked areas

**Additional information**

**Colbond Multi** is a bitumen emulsion that, when fully broken, resists pick-up on the tyres of equipment and vehicles.

**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
<b>EMULSION</b> <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) NR (Class 0) 110 - 195 (Class 4)	EN 13808 – Table 2 EN 12846-1 EN 13614 EN 13075-1
<b>RECOVERED BINDER</b> <ul style="list-style-type: none"> <li>Penetration at 25°C, 0.1 mm</li> <li>Softening point, °C</li> <li>Cohesion by pendulum, J/cm<sup>2</sup></li> </ul>	≤ 100 (Class 3) ≥ 50 (Class 4) ≥ 1.0 (Class 4)	EN 13074-1 EN 1426 EN 1427 EN 13588
<b>STAGE 1 DURABILITY - STABILISED BINDER</b> <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
<b>STAGE 2 DURABILITY - AGED BINDER</b> <ul style="list-style-type: none"> <li>Durability of penetration at 25°C, 0.1 mm</li> <li>Durability of softening point, °C</li> <li>Durability of cohesion by pendulum, J/cm<sup>2</sup></li> </ul>	≤ 100 (Class 3) ≥ 50 (Class 4) ≥ 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, Chief Executive Officer

**Place and date of issue**

Birmingham, England

23/01/2023