



## Declaration of Performance

### Cationic Bituminous Emulsion

**No.** C23

**Manufacturer**

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

**Location**

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

**Product description**

Cationic bitumen emulsion for use in velocity patching on roads and other trafficked areas

**Additional information**

**Patchmaster 100** bitumen emulsion is designed for specific aggregates in the velocity patching process.

**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
<b>EMULSION</b> <ul style="list-style-type: none"> <li>Efflux 2 mm at 40°C</li> <li>Water effect on binder adhesion</li> <li>Breaking behaviour</li> </ul>	15-70 s (Class 3) ≥ 90 (Class 3) 70 - >170 (Class 3/4/5)	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</li> </ul>	≤ 150 (Class 4) ≥ 39 (Class 7) NR	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 NR	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</li> <li>Durability of cohesion by pendulum</li> </ul>	≤ 150 (Class 4) ≥ 39 (Class 7) NR	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 & Executive Director Products

**Place and date of issue**

Rowfant, England

13<sup>th</sup> June 2018