



## Declaration of Performance

### Cationic Bituminous Emulsion

**No.** C29

**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 as binder for surface dressing of footways and other trafficked areas

**Additional information**

**Leochip VLS** is cold applied binder for footway and driveway surface dressing. Drums should be rolled frequently to avoid separation. Prior to use, surfaces should be free from weeds, standing water, dust, dirt, loose material and oil spillage. It is applied at temperatures in excess of 10°C and dry conditions should prevail for at least 12 hours subsequently.

**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>Dynamic viscosity at 40°C, mPa.s</li> <li>Water effect on binder adhesion</li> <li>Breaking behaviour</li> </ul>	Min. 8000 (0.005s <sup>-1</sup> ) or Max. 1200 (1s <sup>-1</sup> ) ≥ 90 (Class 3) NPD	EN 13808 – Table 2 EN 13302 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>	≤ 220 (Class 5) ≥ 35 (Class 8) 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>	≤ 220 (Class 5) ≥ 35 (Class 8) 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