

COLAS PRODUCTS DATA SHEET

COLBOND 50



Colbond 50 is nominally a 50% binder content polymer modified bitumen emulsion. **Colbond 50** forms a uniform film of polymer modified bitumen on the road surface which promotes a strong adhesive bond between a bituminous overlay and the existing surface. The application of **Colbond 50** also improves the waterproofing of the road pavement.

Colbond 50, when fully broken, prevents 'pick-up' on the wheels, tracks or tyres of the paver/delivery vehicles and prevents debonding of the overlay during subsequent service life when subjected to traffic stresses.

WHERE TO USE?

- Carriageways
- Footways
- Car parks

PREPARATION

Surface to be sprayed must be free from detritus, standing water, loose material and oil spillage.

APPLICATION

Prior to the application **Colbond 50** should be circulated thoroughly. **Colbond 50** should be applied at 0.7l/m² to achieve the recommended 0.35kg/m² residual spread rate stated in BS594987: Clause 5.5.2.

Vehicular traffic should be kept off the treated area until the emulsion has fully broken and the colour changes from brown to black, then the overlay should be applied.

It is recommended that **Colbond 50** is only applied when the ground temperature is 5°C and rising or <40°C. Humidity should preferably not exceed 70% however **Colbond 50** can be applied in higher humidity but this will prolong the break time. Because the base binder used in **Colbond 50** is polymer modified, it behaves differently from conventional bitumen emulsions and it may therefore be necessary to warm the **Colbond 50** to ease application.

When applying through small motorised or petrol driven units ensure the sprayer system is flushed regularly, this is of particular importance when impeller driven pumps are used.

COVERAGE

It is recommended that the **Colbond 50** is applied at coverage rates specified in BS594987 Clause 5.5 application of bond coats. For further information or guidance please contact our National Sales Office.

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PACKAGING

Colbond 50 is available in bulk or 200kg drums.

STORAGE

Protect from frost. Bulk storage tanks should be circulated before use and maintained between 65-85°C. Drums should be rolled frequently to avoid separation. For further information please refer to BS434-2:2006 Clause 5.2 Storage.

STANDARDS

Colbond 50 is a CE Marked cationic emulsion to BS EN13808:2013 C50BP5 which also complies with BS594987 Clause 5.5 Application of bond coats.

Full CE Marking information is available from the Colas Products website. www.colasproducts.co.uk

Emulsion	
Binder content (EN 1428)	48-52% (Class 4)
Viscosity (EN 12846-1)	15 - 70 s (Class 3)
Breaking behaviour (EN 13075-1)	> 170 (Class 5)
Recovered binder minimum peak vialit cohesion (EN 13588)	> 1.0 J/cm ² (Class 4)

SAFETY

For full safety information, please request the **Colbond 50** Safety Data Sheet 11 using the contact information below.

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WE OPEN THE WAY