

Technical Bulletin

ADOCOAT INDUSTRIAL BITUMEN CUTBACK

Adocoat Industrial Bitumen Cutback is a medium viscosity bitumen reduced with a C9-C12 petroleum derived hydrocarbon. It is black in appearance, compatible with a number of substrates and can be specified as a highways/civil engineering grade cutback.

Uses

- Barrier against water and water vapour for brickwork, blockwork and stonework
- Protection of iron and steel against corrosion
- Protection of subterranean concrete structures against ground water ingress
- Sealing and protection of exposed concrete structures and surfaces
- Viscosity modifier to other cutbacks or bitumens
- Use as a BST (Bituminous Surface Treatment) for asphalt roads and pavements. Acts as a protective layer to the underlying surface, increases skid resistance, fills cracks and reduces ravelling. Used and specified on several UK motorway builds.

SPECIFICATION

<u>Property</u>	<u>Specification</u>	<u>Test Method</u>
Density	0.90 – 0.92 g/cm ³ at 20°C	Hanging plumb method
Viscosity at 40°C 10mm cup	40-60 Secs	Standard Tar Viscometer
Flash Point	40°C	Closed cup
Non-Volatile Contents	56-57%	MX-50 Moisture Analyzer
Drying Time	2-4 hours at 20°C	Touch dry test
Dry Film Thickness (DFT)	250 microns (two coats)	Elcometer 500
Solubility in Trichloroethylene by mass (min.)	99.5%	BS 4690
Penetration at 20°C of residue from distillation to 360°C	100 – 350 dmm	Cone Penetrometer

ADDITIONAL INFORMATION

APPLICATION

All surfaces should be smooth, clean, dry, sound and free from frost, oil, grease, condensation and other contamination. Product may be applied to 'green' concrete.

The minimum ambient temperature for application is 5°C, it is not recommended to apply the product at temperatures below this as specified drying times will not be achieved.

Product is recommended to be brush or roller applied, avoid pouring directly onto a horizontal surface. This may cause puddling during application and increase drying time.

Should the product require thinning, it is recommended to thin 10% by volume of white spirit initially and evaluate the resulting viscosity. The product should not need to be thinned if recommended storage conditions have been maintained.

Coverage rates depend on porosity of surface:

Porous surfaces (e.g. concrete, wood): 6–8m²/litre

Non-porous surfaces (e.g. steel): 10-12m²/litre

The product can be applied as a single coat in certain applications but two coats is universally recommended. A minimum application rate of 6m²/litre per coat is recommended. Performance is improved where the second coat is applied at right angles to the first but it is not essential to do so. Leave 2-4 hours before overcoating with the second coat. A touch test on the 1st coat will indicate readiness.

If applying to metal, ensure the surface is well prepared in advance. Wire brush off any rust and ensure clean and dry. Where long-term protection is required treat with a rust-inhibitive product such as red lead or zinc phosphate. Consult the Technical Department for advice on compatibility prior to application if unsure.

Spray: For further information please consult the Technical Department.

For cleaning tools use a hydrocarbon-based solvent such as white spirit. Xylene, toluene and acetone are also effective.

REGULATORY

All components are REACH (Reg. (EC) No 1907/2006) registered. The product does not contain any Substances of Very High Concern (SVHC).

Compliant to:

- BS6949: 1991 Specification for Bitumen-Based Coatings for Cold Application, excluding use in contact with potable water (Type 1, Class A)
- Specification for highway works (SHW)
- BS 3690-1:1989
- BS 3690-2:1982.

TOXICITY AND SAFETY

Product is classified as hazardous according to the CLP Regulation (Reg. (EC) No 1272/2008). Refer to the Product Safety Data Sheet for recommended safety precautions. It is recommended the end user wear safety glasses, safety gloves and protective clothing during application. Avoid direct contact with skin and eyes. Do not eat, drink or smoke while handling or using the product.

HANDLING AND STORAGE

Product is not chemically sensitive to heat or cold but extreme temperatures should be avoided. Product should be stored in well-maintained storage tanks if bulk received or in the original manufacturer packaging if packaged. Do not store with oxidisers and keep away from sources of ignition, the product is flammable.

AVAILABILITY

- BULK (10,000L min. – 30,000L max.)
- IBC
- 200L / 25L / 20L / 5L