



Technical Specifications

Highway/Civil Engineering grade Cutback

ADOCOAT INDUSTRIAL CUTBACK BITUMEN 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 has the following 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 cutback or bitumens

Use 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 reduced ravelling. Used as specified on several UK Motorway builds.

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 temperature 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.

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.

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.

Coverage

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

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

Shelf Life

Shelf life is 24 months if the container is kept sealed and stored in a dry area. Use within 3 month once opened.

Specification

ADOCOAT INDUSTRIAL CUTBACK BITUMEN is manufactured by Adomast Manufacturing Ltd and shall be applied strictly in accordance with the manufacturer's instructions. For specific advice regarding any aspect of this product, please consult our Technical Department

Health 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

See separate Safety Data Sheet for further information.

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