

Technical Data Sheet

Date of compilation: 30/05/2024

ARC AQUA-BLOCK

DESCRIPTION

Arc Aqua-Block is an acrylic roof coating based on a flexible thermoplastic resin. It forms a tough, fibre-reinforced waterproof membrane that seals and protects roofs from weathering and water ingress. When dry, the product forms an odourless and taint-free film. It can be used with a wide variety of substrates such as: asphalt (bitumen), roofing felt, asbestos, rigid PVC, concrete, cement, iron, lead, zinc, aluminium, tiles and slate. The product can also be applied in adverse weather conditions and to damp substrates making it ideal as an emergency roof repair product. This product is compatible with most types of gutters and flashings.



If using on a roof or balcony subject to heavy traffic or the placing of objects such as furniture then promenade tiles or similar protection must be laid over the coating.

FEATURES

- For DIY & professional
- Immediate waterproofing
- For wet or dry surfaces
- Bridges hairline cracks
- Compatible with most common substrates

USES

- Rejuvenating topcoat over aged roof coats, corrugated sheets, felts etc.
- Protective waterproof coating for roofs, gutters and flashings.
- Emergency repair and sealing of leaking or damaged roofs.

APPLICATION

All surfaces should be smooth, clean, sound and free from frost, oil, grease, condensation and other contamination. Remove any organic growth with a fungicidal wash as may be necessary. Loose or blistered paint should be removed from a surface mechanically with a scraper.

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

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As this is a solvent based product is not advisable to apply the product at temperatures in excess of 35°C; viscosity will increase due to the solvent content flashing off at higher temperatures.

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. Product may be applied to 'green' concrete.

When using multiple tins, ensure they are all from the same batch as slight shade variations are likely between batches.

Should the product require thinning, it is recommended to thin 5% 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: Approx. 1–2 kg/m²

The product can be applied as a single coat. Priming is not generally required but for best performance highly porous surfaces (such as concrete) will benefit from being primer treated. This product is compatible with solvent based bitumen primers. Where a primer is used, ensure it is allowed to dry fully before applying this product.

If applying to metal, ensure the surface is well prepared in advance. For ferrous metals wire brush off any rust and ensure clean and dry. Where long-term protection is required treat with a rust-inhibitive product such as a zinc phosphate based product. For galvanised steel, aluminium or stainless steel treat the product with an etch primer in order to provide a suitable key for the product to adhere to.

Consult the Technical Department for advice on any compatibility questions prior to application if unsure. It is always advised to treat small areas with primers, this product or ancillary systems and evaluate results before coating large areas.

For cleaning tools use a hydrocarbon-based solvent such as White Spirit, Turpentine, Paraffin or Kerosene .

REGULATORY

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

HEALTH & 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.

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TECHNICAL DATA

Colour	Black/Grey
Form	Brushable paste
Specific Gravity	1.1
Shelf Life	18 months (unopened)
Odour	Solvent
Flash Point	38.5°C (Closed cup)
Drying Time	Immediate waterproofing Full cure = 2-3 days
Service Temperature	-15°C – 75°C
Chemical Resistance	Resistant to salt solutions, dilute acids & alkalis Not resistant to oils, solvents & some detergent solutions

HANDLING AND STORAGE

Store in cool, dry conditions in the original manufacturer packaging. Do not store with oxidisers and keep away from sources of ignition. The product has a 18-month shelf life provided the container is unopened. If opened the product should be used within 3 months and sealed air-tight between uses. Longer storage times may result in fibres and fillers falling to the base of the container, rigorous and thorough stirring is essential prior to application.

AVAILABILITY

Aqua-Block is available in 5kg and 20kg containers in Black and Grey.

NOTE

The information contained on this spec sheet is given voluntarily and in good faith. It is to the best of our knowledge true and accurate; however it may contain information which is inappropriate under certain conditions of use. The company cannot accept responsibility for any loss or damage due to inappropriate use or the possibility of variations of working conditions and of workmanship outside our control.

The user must ensure the product's suitability for the application intended and if in doubt should seek a written technical specification for the product's application.