

Core Aspha Coat

High-Performance Bituminous
Waterproofing Coating

Description

Core Aspha Coat is a cold-applied, solvent-based bituminous protective coating that forms a tough, water-resistant barrier on concrete, masonry and metal. It dries to a black, flexible film that protects against moisture ingress, atmospheric corrosion and mild chemical attack. Ideal as a damp-proof coating for underground and submerged structures, or as an anti-corrosive layer on steel after suitable preparation.

- Brush/roller/trowel application on damp concrete
- Resists positive and negative hydrostatic pressure
- Seals pores and micro-cracks in concrete
- Good adhesion to concrete and masonry
- Non-toxic, suitable for potable water structures (if applicable)

Compatible with subsequent finishes

Recommended Uses

- Below-grade walls, foundations, retaining walls and plinths
- Rafts, pile caps, podium slabs and planter boxes (external faces)
- Manholes, culverts, concrete pipes and tanks (non-potable)
- As an anti-corrosive coating for steel (over suitable primer)
- Protective coating beneath screeds, toppings and backfill

SERVICES

Cementitious coating

Crystalling Coating

Addmixture

Sealant

Grout

Epoxy primer

Repair Mortar

Flooring

PU flooring

PU coating

Bitumen Coating

Latex

Waterstopper



Technical Data

Property	Value
Type	Bituminous, cold-applied (solvent-based)
Appearance (wet / dry)	Black liquid / Black satin film
Density	~0.95–1.00 kg/L
Viscosity	Brushable / sprayable
Touch Dry	1–2 h (25 °C; RH 50%)
Recoat Time	4–6 h (25 °C; RH 50%)
Full Cure	24–48 h
Water Resistance	Excellent after full cure
Elongation / Flexibility	Flexible bituminous film
Service Temp.	–5 °C to +60 °C (intermittent higher acceptable)
Colour	Black
Flash Point	> 23 °C (flammable—see safety)

Values vary with temperature, humidity and substrate absorption.

Consumption

Concrete/Masonry (2 coats):	0.25–0.40 kg/m ² per coat
Steel (over primer):	0.20–0.30 kg/m ² per coat, usually 2–3 coats
Damp-proof membrane under toppings/backfill	: 0.30–0.40 kg/m ² per coat; apply 2 Q coats crosswise
Highly porous substrates may require an additional priming coat (see below).	

Standards

- Tested in accordance with DIN 1048 Water Permeability Test.
- Complies with Water Research Council requirements for potable water contact.

Important Information

Supplied in: 25 kg bag

Storage: Store dry, frost-free, out of direct sunlight

Shelf Life: 6 months in original packaging

Hazard Class: Non-hazardous goods. Consult MSDS for details.

Application Guidelines

Surface Preparation

Substrates must be sound, clean and free from oil, grease, laitance, loose particles, curing compounds and other contaminants. Repair cracks, honeycombs and surface defects with suitable repair mortar. Dampen porous concrete or masonry to a saturated surface-dry (SSD) condition before application.

Mixing

Combine the liquid (bituminous/polymer) component with the powder (cementitious) component according to the manufacturer's recommended ratio. Use a slow-speed drill fitted with a paddle (≤400 rpm) to mix until a smooth, lump-free consistency is achieved. Allow the mix to stand for a couple of minutes and remix briefly before use. Do not add extra water or solvent.

Application

Apply by stiff brush, roller or spray equipment in at least two coats. Apply the second coat at right angles to the first once the first coat has reached initial set but is still green. Ensure total specified thickness and coverage are achieved. On horizontal surfaces or areas subject to movement, embed reinforcing mesh in the first coat while still wet.

Curing & Protection

Protect freshly applied coating from direct sunlight, wind, rain and frost for at least 24–48 hours. Allow full curing before backfilling, tiling or exposing to water pressure. Avoid mechanical damage to the coating during subsequent works.

Cleaning of Equipment

Clean tools and equipment immediately after use with clean water (or the recommended cleaner for solvent-containing systems). Cured material can only be removed mechanically.

Storage & Handling

Store both components in their original, tightly sealed containers in a cool, dry, frost-free area out of direct sunlight. If the liquid component has been exposed to low temperatures, allow it to warm to application temperature before mixing.

The information contained in this brochure reflects our current knowledge and experience and is intended to assist designers, contractors and end users. It does not release the purchaser from carrying out their own tests and verifications to ensure the product is suitable for the specific application. All data presented are based on tests under normal laboratory conditions; actual values may vary on site. Recommendations are given in good faith but without warranty, as conditions beyond our control may affect product performance. Core Chemicals reserves the right to modify specifications without prior notice. The purchaser is responsible for ensuring the product is used in accordance with current standards and regulations. Our technical service team is available to provide guidance at any time.

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