

# Product Data Sheet

## CasTech Coat RBE 50/10F

Nov-2025, Ver. 01.01



### Fibrated Cold-Applied Bitumen Emulsion Coating

#### DESCRIPTION

**CasTech Coat RBE 50/10F** is a single-component, cold-applied, water-based asphalt emulsion manufactured from asphalt emulsion, non-asbestos fibre, clays and other additives. It has a brown appearance when wet and dries to a near-black colour.

#### TYPICAL USES

- General waterproofing and damp-proofing on concrete, brick, inclined roofing bitumen membrane, metal, wood, etc.
- Protective coating for built-up roofing systems, below-grade and other exposed surfaces
- Damp-proofing membrane
- Protective coating for concrete foundation walls

#### ADVANTAGES

##### Key advantages:

- Easy application
- Excellent adhesion
- Weathering resistance
- Single component, cold and liquid applied
- Fibrated for extra stability and flexibility
- No cracking or flaking at higher temperatures
- Can be applied on vertical and horizontal surfaces

#### STANDARDS

**CasTech Coat RBE 50/10F** conforms to the requirements of ASTM D1227 Type III, Class 1 and ASTM C309.

#### TYPICAL PROPERTIES

|                                      |                                        |
|--------------------------------------|----------------------------------------|
| Colour                               | Brownish liquid, turns black on drying |
| Specific Gravity @ 25°C (ASTM D2939) | 1.0 (± 0.02)                           |
| Solid Content (ASTM D2939)           | 50 (± 2)%                              |
| Flammability                         | Non-flammable                          |
| Touch Dry                            | 4 - 6 hours                            |
| Service Temperature                  | 0 to 80°C                              |
| Application Temperature              | 10 to 45°C                             |
| Chemical Resistance                  | Salt, acids and alkalis                |

All values are subject to 5 - 10% tolerance. Drying time depends on substrate, temperature, humidity and thickness.

#### SURFACE PREPARATION

All substrates must be sound, clean, dry and smooth. Repair any damaged and cracked areas. On porous and dry surfaces, a priming coat of **CasTech Coat RBE 50/10F** is recommended for better penetration and adhesion; allow to dry completely before applying the coating.

#### APPLICATION

Stir the material before use and apply directly from the container. Uniformly coat the entire surface using a brush, trowel or squeegee. Where multiple coats are required, allow the first coat to dry and apply the second at right angles to the first. Do not thin or apply like paint.

#### COVERAGE

Coverage varies with the surface and dry film thickness required. Apply at 1.2 - 1.25 m<sup>2</sup>/L for a 400-micron dry film thickness (DFT).

#### CLEANING

Clean immediately after use with water; use kerosene or white spirit if the material has dried. Keep tools in water when not in use.

#### PACKAGING

200 L drums and 20 L pails.

#### STORAGE AND SHELF LIFE

Store in a covered area under normal warehouse conditions, away from direct sunlight and protected from extreme temperatures. Keep containers tightly closed. Shelf life is 12 months from the date of manufacture.

#### HEALTH AND SAFETY

Non-hazardous and non-flammable emulsion.

**PPE:** Always wear gloves, safety shoes and safety goggles while using and handling this product.

**Precautions:** Avoid contact with skin and eyes. In case of contact with eyes, wash with plenty of water and seek medical attention immediately.

**Additional information:** Refer to MSDS (available on request).

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#### **TECHNICAL SUPPORT**

CasTech provides on-site assistance and consulting services on projects when requested. Technical data sheets on

other CasTech products and guidance on their use are available on request.

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