



# Technical Data Sheet

## BC Tec Mar Release

### High Performance Concrete Release Agent

#### 1). Description

BC Tec Mar Release is a specially formulated blend of volatile hydrocarbon solvents and fatty acids designed to provide superior performance compared to conventional oils. The fatty acids react with water in concrete to form a thin water-repellent barrier, enabling easy stripping of formwork without affecting the concrete surface quality.

#### 2). Uses

- Release agent for metal, wood, and plastic formwork.
- Suitable for white and ordinary cement.
- Protects formwork and concreting equipment from rust and cement adhesion.
- Reduces cleaning and remedial treatment time of formwork and concrete surfaces.

#### 3). Features & Advantages

- Ready-to-use, no thinning required.
- Low viscosity, easily sprayable.
- Light brown colored liquid, suitable for use on white cement.
- Prevents rust formation on steel forms and protects concreting plant.
- Improves concrete surface finish by allowing trapped air to escape.
- Reduces surface imperfections and remedial work.



#### 4). Typical Properties

Property	Value
Appearance	Light brown liquid
Flash Point	41 °C
Viscosity	Low, easily sprayable
Thinning	Not required
Formwork Compatibility	Steel, wood, plastic
Concrete Compatibility	White and ordinary cement

#### 5). Surface Preparation

- New formwork: No preparation required.
- Used formwork:
  - Steel and plastic: Remove rust, grease, and cement residues.
  - Wooden: Remove cement residues and scrub old mould oil.

#### 6). Application

- Apply thinly and evenly using brush, cloth, or conventional mould oil spray equipment.
- Excessive or uneven application may damage concrete finish.
- One coat is generally sufficient for steel, plastic, or previously treated wooden forms.
- For new untreated wooden formwork, a second coat may be required if used after 2–3 days.

#### 7). Packing & Shelf Life

- Packing: 20 kg pail and 1000 kg IBC Tank.
- Shelf Life: 24 months in original, unopened containers stored in a shaded, dry, well-ventilated area.





## 8). Health & Safety

- Flammable. Keep away from sources of ignition.
- Use in well-ventilated conditions.
- Avoid prolonged skin contact; use barrier cream or gloves.
- Refer to the latest SDS for detailed safety information.

## 9). Storage Conditions

- Keep in original, unopened containers.
- Store in shaded, dry, ventilated area away from direct sunlight.
- Temperature range: 5 °C to 45 °C.

### DISCLAIMER

The data presented in this sheet are based on laboratory testing and practical experience. Variations in substrate, application method, and environmental conditions may impact performance. Users are advised to carry out tests under their own conditions. Building Chemistry Industry's responsibility is limited to the product replacement in cases of proven manufacturing defect.

