



# FORMCRETE

## Concrete Surface Treatments

### FORM-WALLSEAL

#### External Masonry and Concrete Sealer and Water Repellent

##### Description

**FORM-WALLSEAL** provides clear water repellent protection to exterior surfaces, such as brickwork, concrete, natural or cast stone and cement renderings. It binds together surface particles producing a toughened self cleaning finish. It is a blend of methacrylate resins in a light hydrocarbon solvent.

- **FORM-WALLSEAL** offers the following: Restricts moisture penetration minimising the risk of surface spalling due to frost action.
- Penetrates and binds in the surface, increasing the self cleaning properties of the material and resistance to atmospheric pollution.
- Penetrates hair line cracks to provide a flexible seal.
- Reduces moisture tracking through old walls.
- Allows the structure to breathe enabling it to dry out without a pressure build up of water vapour behind the surface.
- **FORM-WALLSEAL** does not yellow with exposure to ultra violet light present in sunlight.
- Provides an efficient anti-carbonation coating.
- Can be used on both new and refurbished/cleaned brickwork.

##### Instructions for use

###### Surface Preparation

Surfaces should be sound, clean, free of cracks, and all traces of dust, paint, oil or other contaminants. Any surface moisture will hinder penetration, therefore the surface should be dry to the touch. Joints in brickwork or masonry should be sound, but if not they should be raked out and repointed with sand/cement mortar incorporating **FORMBOND SBR**. Any cracks or hollow areas in concrete or renderings should be treated in a similar manner. Mortar stains on brickwork should be removed using **FORMCLEAN**.

###### Application

A wide soft brush, roller or spray can be used. Best results will be obtained by the use of a spray. This should be of a low pressure airless type, without atomisation of material at the nozzle. Firstly a light mist coat should be applied followed by a heavy flood coat within 20 to 30 minutes whilst the first coat is still tacky. Generally one flood coat is sufficient. However, when surfaces are very porous, or when a glazed finish is required, a second flood coat should be applied, again whilst the surface is still tacky. Optimum performance will be obtained when the surface will absorb no further material. Treatment should not be undertaken in freezing temperatures. The treated surface should be protected from rain for at least one hour following final application.

###### Caution

Care should be taken to ensure that **FORM-WALLSEAL** does not come into contact with surfaces which could be affected by solvents, such as paint. Overspray onto windows, doors and other fittings should be avoided.

###### Cleaning of Equipment

Immediately after use equipment should be emptied and then cleaned with white spirit. When using other coatings it is always advisable to check compatibility on a small test area.

###### Decoration of Treated Surfaces

Treated surfaces can be coated with water based cement or emulsion paints after 2 to 3 days depending upon temperature and humidity.

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### Physical Data

Characteristics: **FORM-WALLSEAL** is a low viscosity, free flowing liquid.

### Coverage

Depending upon surface absorbency, 1 litre **FORM-WALLSEAL** will cover 6-8 m<sup>2</sup> as a mist coat and 3-4 m<sup>2</sup> as a flood coat.

### Curing

The surface is fully water repellent when the coating is tack-free, however the reaction of the resins in **FORM-WALLSEAL** continues for up to four weeks, to create an in depth moisture barrier.

### Storage

The **FORM-WALLSEAL** container should be sealed after use to prevent evaporation. **FORM-WALLSEAL** is flammable and should be stored away from sources of heat or naked flames.

### Health & Safety

Material should not be ingested, if ingested seek urgent medical attention. Prolonged inhalation of the vapour and contact with the skin and eyes should be avoided. If eyes are affected by contact with **FORM-WALLSEAL** wash with copious quantities of clean water and seek medical attention without delay.

**FORM-WALLSEAL** is flammable, with a flash point of 38°C and the liquid or vapour should be stored and used accordingly. In the event of fire use CO<sub>2</sub> or foam type extinguishers.

Information on **FORMBOND SBR**, **FORMCLEAN** and other **FDI** materials is available as separate data sheets.

Refer to separate **FORM-WALLSEAL** Health and Safety leaflet.

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