

# ADOPRUF

## Concrete and Mortar Integral Waterproofer

### Description

**ADOPRUF** is a concentrated liquid solution of waterproofing chemicals. When added to a concrete mix it firstly reacts physically to improve wetting properties and ensure uniform dispersion and full hydration of all cement particles and secondly it reacts chemically to deposit throughout the mix in all pores and capillaries an insoluble water repellent metallic stearate.

The improvement in wetting properties when **ADOPRUF** is included in a concrete mix assists placing and compaction and permits a reduction in water/cement ratio. This results in a reduction in pores and capillaries, producing concrete with increased density and higher strengths.

**ADOPRUF** will not affect the setting time of cement or cause corrosion of steel reinforcement and its use in no way departs from good concreting practice.

### Advantages

- **ADOPRUF** added to a concrete or cement rendering mix, makes the concrete or render:
  - Easier to place and compact
  - Denser and stronger
  - More resistant to attack from aggressive waters
- Waterproof to withstand extremely high water pressures

### Usage

The standard usage rate is 500 ml **ADOPRUF** to 50 kilos Portland Cement added to the gauging water or the pre-wetted mix.

As a guide for estimating purposes the quantities of **ADOPRUF** required to waterproof 1 cubic metre of concrete are as follows:

1 : 2 : 4            Mix - 3 litres **ADOPRUF**  
1 : 1.5 : 3        Mix - 4 litres **ADOPRUF**

1 litre **ADOPRUF** will waterproof approximately 16 sq. metres of 12mm thick rendering composed of 1 part cement to 3 parts sand.

Concrete designed to withstand hydrostatic pressure should never contain less than 300 kilos of cement per cubic metre.

### Specification Clause

**ADOPRUF** Concrete and Mortar Integral Waterproofer manufactured by Adomast Ltd shall be added to the concrete or mortar in accordance with the manufacturers recommendations.

### Health and Safety

Refer to separate **ADOPRUF** Health and Safety leaflet.