




## TECHNICAL DATA SHEET

# Prufplast

**COMBINED WATERPROOFER  
& PLASTICISER**

**IDEAL FOR USE IN EXTERNAL RENDERS**

**VAPOUR PERMEABLE – ALLOWS  
STRUCTURE TO ‘BREATHE’**

Prufplast is a combined mortar plasticiser and liquid waterproofer for building mortars and renders. It inhibits the passage of liquid water through the capillary and pore network in cementitious materials, but does not form a vapour barrier thus allowing the structure to breathe. Prufplast is non-retarding, chloride-free and equally compatible with all cements. Use in render base coats also reduces the suction to allow easier application of following render coats.



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### PRODUCT INFORMATION

FORM	Green/Blue liquid
HAZARD INFORMATION	IRRITANT Contain Sodium Silicate - Consult Safety Datasheet before use
CLEANING	Clean tools, equipment, etc. using cold water.
PACKAGING	5L and 25L packs
STORAGE CONDITIONS	Store in sealed containers in dry conditions, protected from extremes of temperature, protect from frost
SHELF LIFE	12 months in unopened manufacturer's packaging

### APPLICATION INFORMATION

SPECIFIC GRAVITY:	~1.05
pH	~12
CHLORIDE CONTENT	< 0.1% w/w
FREEZING POINT	0°C (product will separate if exposed to temperatures below ~5°C. If this happens product should not be used)
DOSAGE	0.5 - 1.0L per 100kg cement

## DIRECTIONS FOR USE

### PREPARATION

Surfaces should be sound, clean, and free from dust. Smooth surfaces should be mechanically roughened.

### APPLICATION

Mix design will be as for normal renders and mortars using the following quantities of Waterproofor. Trial mixes should be carried out to determine the optimum dosage rate. For advice, contact Larsen Technical Department. Use clean, sharp, well graded sand for mortar and render mixes and clean, well graded aggregates for concrete. Mix designs should always be proportioned in accordance with industry standards. As a guide, for render mixes, best results are obtained if the mix is not weaker than mix designation 1, as described in BS 5262.

Site mixing: 5L of Prufplast should be added to 150L Water; this liquid should be used as gauging liquid.

Plant mixing: 0.5L of Prufplast per 50kg cement.

### DISPENSING

Prufplast should be dispensed into the mixer with the gauging water. It should never be added to the dry cement.

### RESTRICTIONS

Severe overdosage can cause strength loss and excessive air entrainment. When rendering, BS 5262 and BS 8000-10 should be followed at all times. All work should be carried out to current best practice, British Standards and trade body guidelines. Prufplast can be used with all types of Portland Cements. It is also compatible with other admixtures. When used in conjunction with other admixtures, each must be dispensed separately into the concrete mix. Typically there is no need to also use a separate mortar plasticiser. Prufplast will not compensate for poorly proportioned mixes or incorrect application. Prufplast does not replace the need for a suitable damp proof course.