

## Data sheet C758A

Page 1 of 2 March 2012

# HOLDFAST PRIMERS

## Standard and Thix

### Introduction

**Holdfast Primers** are 'state of the art' systems for priming of damp surfaces including 'green' concrete and cementitious screeds.

Due to the high compatibility with water, **Holdfast Primers** form a tenacious bond to damp surfaces and act as a barrier between a damp substrate and more water sensitive coatings or screeds.

**Holdfast Primers** are supplied as 2 part packs consisting of factory pre-weighed base and hardener components. The 'Standard' version is for priming of floors whilst the 'Thix' version is for priming vertical surfaces.

It is essential that good house-keeping practices are maintained at all times to maximise the performance of **APML Resin Flooring Systems**.

### Typical Applications

Early age priming of new concrete and cementitious screeds - no need to wait for the substrate to dry.

Priming of existing concrete which cannot be fully dried such as wet production areas and thus minimising down time.

Priming of outdoor areas - less risk of adhesion failure in poor weather conditions.

### Method of Use

#### Storage

All materials must be stored prior to use under cover, preferably in a dry heated store. Materials stored at low temperatures (below 10°C) become more viscous and thus difficult to mix and apply. Do not store below 5°C.

If crystals are observed due to low temperature storage, contact **APML Technical Sales Department**.

### Surface Preparation

Whilst prepared surfaces may be damp, standing or running water must not be present.

#### New Substrates

The surface must be free from contamination, laitance and non-polished. A wood float finish is ideal.

If it is necessary to remove laitance this should preferably be done by grit-blasting or grinding. Alternatively **PML Etch** may be applied in accordance with Data Sheet No. 608.

Very smooth and dense floors - i.e. those which have been power floated - may need to be grit-blasted or coarse ground in order to remove surface polish and provide the necessary open texture.

It is essential that any dust created during preparation is completely removed eg. with an industrial vacuum cleaner.

Proprietary sealers of the silicate or silicofluoride type must not be used prior to application of **Holdfast Primers**.

### Old Substrates

All traces of oil, grease or other contaminants must be removed.

The following alternative methods may be used, in order of preference:-

- Grit-blasting, mechanical grinding or planing.
- High pressure hot water cleaning using heavy duty detergent followed by **thorough** rinsing with clean water.
- Mechanical scrubbing with a heavy duty detergent or proprietary floor cleaner followed by **thorough** rinsing with clean water.

After cleaning by methods (b) and (c) above, apply **PML Etch** in accordance with Data Sheet No. 608.

After finally washing down, excess water must be removed before application of **Holdfast Primers**.

**Caution:** where silicate or silicofluoride sealers or any type of surface coating have been used it is essential that these are first removed by method (a) above before applying **Holdfast Primers**.

Certain types of coating may be difficult to remove by grinding and in such cases the APML Technical Sales Department should be consulted for advice.

### Ambient Temperature

The ambient temperature should be a minimum of 5°C but preferably 10°C during application and curing. If necessary heating should be applied sufficiently in advance of the time of application to ensure that the temperature of the substrate and surrounding air is at least this level before commencing work.

### Priming

**Thoroughly** mix the two components together with a palette knife, flat piece of wood or preferably a slow speed drill fitted with a mixing paddle. Apply the mixed material with a lambswool or long pile synthetic fibre roller. Cut in any edges etc. by brush. Spread uniformly over the prepared surface ensuring the substrate is well 'wetted'.

A 2 kg pack of **Holdfast Primer** will cover up to a maximum of 5-6.6 m<sup>2</sup> depending on porosity and/or profile of the surface. **Do not apply at less than 0.3-0.4 Kg/m<sup>2</sup> (5-6.6 m<sup>2</sup>/pack).**

**Holdfast Primers** should be allowed to cure overnight before application of the desired coating / screed / render. Before application of screeds or renders the surface must be primed in the usual manner.

## Cleaning

All tools and mixing vessels should be cleaned immediately after use with PML Resin Cleaner (Data Sheet No. 610) acetone or similar solvents.

## Technical Specification

General data for guidance purposes only  
(Approximate figures)

Packing	2 kg pre-weighed packs	
Density of mixed primer	Standard	1.08 kg/litre
	Thix	1.09 kg/litre
Volume of pack	Standard	1.85 litres
	Thix	1.83 litres
Coverage	Minimum of 0.3-0.4 Kg/m <sup>2</sup> (maximum of 5-6.6 m <sup>2</sup> /pack). Depending on texture and porosity of surface coverage may be reduced.	
Pot life	approx. 30 minutes at 20°C	
Overcoating time	Minimum 16 hours Maximum 24 hours	
Shelf life	12 months minimum	

## Chemical Resistance

**APML Flooring systems** are resistant to the effects of a wide range of chemicals however it is important that advice is sought from the **APML Technical Sales Department** before the product is specified.

## Health and Safety

This product contains substances that are classified as hazardous according to the Classification, chemicals (hazard information and packaging for supply) regulations 1994 (as amended). The product is labelled in accordance with these regulations and further information regarding health hazards, handling, storage etc. is detailed in the Material Safety Data Sheet(s). In addition to considering the advice given by APML, all users must conform to the Control of Substances Hazardous to Health Regulations, 1994 (as amended).

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All coverages and thicknesses quoted are nominal and will be affected by substrate profile and porosity.

The information in this Data Sheet, given in good faith, is based on results gained from experience and tests. Since application and use are beyond our control, no condition or warranty is given covering the results from the use of our products in any particular case, whether the purpose is disclosed or not, and we cannot accept any responsibility for any loss or damage, howsoever caused arising from the said use.

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