

Steamcrete 2000

INTRODUCTION

Steamcrete 2000 is a 3 part polyurethane based thin section screed for application at a nominal 8-10mm thickness.

Steamcrete 2000 provides an easily cleaned, impervious, slip resistant finish which is able to withstand spillage of boiling water and cleaning by steam lance.

Steamcrete 2000 provides an attractive speckled floor finish available in a range of colours but is not primarily a decorative floor.

Steamcrete 2000 exhibits excellent resistance to a wide range of chemicals including many oxidising agents and solvents.

Steamcrete 2000 utilises low odour resin systems and is suitable for application in the food industry.

Steamcrete 2000 offers good mechanical and abrasion resistance.

TYPICAL APPLICATIONS

Food, and drink processing areas, abattoirs, dairies, breweries, chemical and pharmaceutical plants, dye works and electroplating shops.

STORAGE

All materials must be stored in a dry covered area. Temperature must be above 0°C and preferably 10 - 20°C.

SUBSTRATE PREPARATION

NEW CONCRETE: This must be thoroughly dry and fully aged before any work is commenced. The moisture content must be below 5% when measured with a Protimeter "Concretemaster" moisture meter at a depth of 20 mm. All surface projections and laitence must be removed, ideally by grit blasting or planing. All dust should be removed.

OLD CONCRETE: This must be thoroughly dry and free from all traces of oil, grease and other contaminants. Prepare by grit blasting or planing. All dust should be removed.

Wherever a free edge of **Steamcrete 2000** will occur (eg. at doorways, perimeters, expansion joints, channels, plinth or column bases etc.) increased anchorage should be provided to distribute stresses arising from shrinkage and variations in temperature. This should be done by cutting chases (grooves) in the substrate prior to application of the primer. Ensure the chases are free from dust.

APPLICATION TEMPERATURE

The temperature should be at least 10°C. If necessary heat should be introduced into the application area well in advance of the work commencing.

MIXING

Primer: The material is supplied in pre-weighed packs. Mix one unit of Primer Base with one unit of Primer Hardener. Mixing can be done by hand with a flat bladed instrument but the use of a slow speed drill fitted with a paddle is preferable. Ensure very thorough mixing. Pot life of the mixed material is approx. 30 minutes.

Screed: The material is supplied in pre-weighed packs. A mechanical mixer (eg. 'Creteangle' or 'Casco') is essential for satisfactory mixing. Mix one unit of Screed Base with one unit of Screed Hardener. Then slowly add the Filler whilst continuing to mix. After all the Filler has been added continue to mix for 3-4 minutes. Try to keep mixing times constant to avoid variations in consistency which will lead to changes in surface texture and colour. Pot life of the mixed material is 20 - 30 minutes.

APPLICATION

Primer: Apply the mixed primer to the prepared substrate by brush or roller. Work the primer into the surface to ensure complete wetting but avoid ponding/flooding of the primer. Allow to cure for a minimum of approx. 2 hours before overcoating with the screed. Maximum overcoating time - 16 hours.

Screed: Apply the mixed screed to the primed substrate at a thickness of 9mm. Ensure the screed is well consolidated and finish with a steel float to give a 'closed' even surface.

CLEANING OF EQUIPMENT

Clean all tools and mixing equipment before the materials have cured with **PML Resin Cleaner, ACALOR Cleaning Solvent No.1**, Acetone or similar solvents.

PACKING AND COVERAGES

Primer: 2 Kg 2-part pack with a coverage of approx. 10 - 12 m²

Screed: 28 Kg 3-part pack with a coverage of approx. 1.4 m² at 9mm thick.

Note: These coverages may alter depending upon surface texture and porosity.

CURING

24 hours for foot traffic.

3 - 4 days for full mechanical/chemical resistance properties.

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).

DISCLAIMER

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.