

# SCREEDMASTER™ 2

High performance, general purpose, latex smoothing compound.

## DESCRIPTION

A two component compound comprising of specially graded aggregates / cement and protein free natural latex liquid. Screedmaster 2 is supplied in ready to mix quantities to give a trowelable free flowing mortar. ScreedMaster 2 is low odour, in most instances this allows adjacent areas to be used without discomfort to occupants even during application.

## USES

For smoothing uneven floors of concrete, sand / cement screeds, asphalt, stone, rigid metal and quarry tiles. ScreedMaster 2 may also be used over old adhesive residue, provided any residue is physically removed to leave a thin, firmly bonded film only. ScreedMaster 2 should not be used over residues that are moisture sensitive.

ScreedMaster 2 must not be regarded as a substitute for a damp-proof membrane in direct-to-earth floors and must not be used over existing vinyl or similar resilient floor coverings.

Suitable for use with underfloor heating installations provided a surface temperature of 27°C is not exceeded. The heating should be switched off at least 48 hours before and after the installation of the floor covering.

ScreedMaster 2 will accept most flooring adhesives in current use.

Consult Laybond's Technical Services Department for specific details.

## PREPARATION

All phases of installation should comply with the latest editions of:

BS CP102 Code of Practice for protection of buildings against water from the ground.

BS 5325 Code of Practice for installation of textile floor coverings.

BS 8203 Code of Practice for installation of resilient floor coverings.

## SUBFLOOR:

Ensure the subfloor is clean, sound, dry and free from contaminants that may hinder adhesion, including surface hardeners and additives. It should also have an effective damp-proof membrane.

The subfloor should be tested in accordance with British Standards, using a properly calibrated and insulated hygrometer. A reading of 75% RH or less confirms that the subfloor is satisfactorily dry. Where this has not been attained, it is necessary to apply a ScreedMaster surface membrane to suppress

residual moisture. For further information contact Technical Services Department.

## PRIMING

It is beneficial to prime all surfaces with ScreedMaster Universal Primer before application. The primer should be applied neat to improve adhesion to all non porous surfaces such as epoxy membranes, metal and terrazzo. For porous subfloors dilute the primer with 2 parts water to minimise the formation of air craters and reduce the requirement to sand down the product after curing.

For flooring grade asphalt the preferred priming system is the use of a slurry coat of Screedmaster 2 (1 Kg powder to 1 Litre liquid).

(For further details of priming see the ScreedMaster Universal Primer technical data sheet).

## MIXING

Materials are in ready to use quantities of 23kg powder and 5 litres of liquid. Pour the liquid into a suitable mixing container. Ad the powder gradually, stirring continually with an electric stirrer. The mix will be thoroughly dispersed in approximately 3 minutes and should be used immediately. If the mix stiffens before it has been spread, it must be discarded. Do not add water or extra latex. The correct mix permits any application from 6mm to a feather edge although for best results a minimum 3mm application is recommended.

If the compound is to be used at thicknesses in excess of 6mm up to a maximum of 12mm it should be bulked out with 3mm granite chippings. To the mixture of 1 bag of powder and 1 bottle of liquid add half a 25kg bag of chippings, whilst continually stirring until thoroughly mixed.

## APPLICATION

Spread evenly over the floor surface with a steel trowel to give a thickness of 3mm to 6mm. Once laid, a second trowelling can be carried out after approximately 15 minutes depending on site conditions. Any trowel marks remaining after the compound has set may be rubbed down with a sanding block. Alternatively, use of a spikey roller immediately after trowelling will give a smooth finish. Avoid excessive rolling as this may result in surface laitance, which will then need to be removed when cured. When used over a ScreedMaster surface damp proof membrane it is essential that a minimum 3mm thickness is applied in order provide an absorbent medium for the adhesive.

## DRYING TIME (3mm thickness)

Allow at least 12 hours before loose laying a floor covering and at least 18 hours if the floor covering is to be laid bonded. ScreedMaster 2 will take light foot traffic after 3 – 4 hours, dependent upon site conditions. A room temperature of 13 – 18°C should be maintained with a minimum floor temperature of 5°C. The walk on time and setting time will be delayed if the powder and liquid have been stored at temperatures below 10°C and/or when used on a cold floor.

## SAFE HANDLING PRECAUTIONS

**Skin Contact:** ScreedMaster 2 is normally non hazardous. However the product contains cement, which when mixed with water produces an alkaline mortar that can cause severe irritation (and extreme cases burning), if prolonged contact takes place. Wear protective gloves.

**Eye Contact:** Could be harmful. In the event of accidental contact, irrigate eyes immediately with clean, cold water for 15 minutes and obtain medical attention.

**Inhalation:** Mix in a well-ventilated area and avoid inhalation as ScreedMaster 2 contains ammonia that can cause irritation during mixing and application, especially in confined spaces.

**Oral ingestion:** With proper handling this should not occur. The possibility can be minimised by not consuming food in the working area and by washing hands thoroughly before eating, drinking or smoking.

**Spillage:** Spilt powder should be brushed up and mixed material should be mopped up immediately with an inert, absorbent material, such as sand, and disposed of in accordance with regulations.

**Disposal of Containers:** Do not leave sacks or bottles on site where residue could be a hazard to children, animals or the environment. Remove to a central disposal point.

**Cleaning of Tools:** Clean immediately after use with clean water.

**Storage:** Powder: 6 months under good storage conditions in original, unopened bags. Ensure bags are transported and stored in a dry place. Do not store over bare earth. PROTECT FROM DAMP, CONDENSATION, DEW ETC.

Liquid: 12 months when unopened and stored under good conditions. PROTECT FROM FROST and store out of direct sunlight.

# SCREED MASTER™

## 2

### APPROXIMATE COVERAGE

23kg powder mixed with 5 litres water will cover 5m<sup>2</sup> at 3mm thickness.

### APPLICATION TEMP. LIMITS

minimum 5°C

### BULK DENSITY: POWDER

Approximately 1.2

### SPECIFIC GRAVITY: LIQUID

Approximately 1.0

### WORKING TIME AT 20°C

Remains self smoothing up to 15 minutes at 20°C

### COMPRESSIVE STRENGTH

Typically 18N/mm<sup>2</sup> after 28 days

### FLEXURAL STRENGTH

Typically 6N/mm<sup>2</sup> after 28 days

### SIZES AVAILABLE

Powder: 23kg sacks  
Liquid: 5 litre plastic screw cap bottle.



Riverside, Saltney, Chester CH4 8RS  
Tel: 01244 674774 Fax: 01244 680215  
Technical Services Tel: 01244 625020

Email: sales\_info@laybond.co.uk  
www.laybond.com