

TECHNICAL DATA

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<i>Floor Preparation</i>	<i>October 2006</i>	<i>PM</i>	<i>Oct 1999</i>	<i>1 of 2</i>

LOCKFAST HARDFAST

DESCRIPTION:

Hardfast is a cementious gypsum plaster formulated to be mixed with water or Durabond FLC emulsion to form a quick setting, floor repair compound. When mixed in the correct proportions, Hardfast gives excellent adhesion to on grade concrete, timber and particle board floors.

Hardfast is recommended for repairing small floor areas and cracks. Hardfast is not recommended for levelling areas larger than 0.5m². For large areas use: **FLC, Matrix, Durabond, Superflo or Superset**

Hardfast, when mixed correctly, will accept most latex and acrylic flooring adhesives. Sealing is essential over any spread of Hardfast to ensure subsequent adhesion. Hardfast is suitable for areas of foot traffic only. Hardfast is not suitable for areas exposed to water damage.

TYPICAL PROPERTIES:

- Type:** Trowelable plaster
- Base:** Combined gypsum and cementious plaster
- Colour:** White
- Flash Point:** Non flammable, waterborne
- Shelf Life:** 24 months in unopened containers stored at 5-30°C.
- Mixes with:** Water or FLC emulsion
- Packaging:** Powder in 4Lt, 10lt, 20Lt plastic pails.

FLOOR PREPARATION:

It is essential that the floor is clean. All residues of oil, grease, paint and old adhesive must be removed by scraping or grinding. Extra care should be taken that the cracks to be repaired are widened if necessary to accept a sufficient quantity of Hardfast compound and then thoroughly cleaned out and the area swept. Lightly dampen the repair area to assist bonding. Levelling of floors may be done with Matrix or FLC compounds. If in doubt about potential wet or damp floors, seal with Aquaguard 101 before proceeding

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HARDFAST (cont'd)

MIXING:

Option 1

Hardfast powder is mixed with Durabond FLC emulsion in the following ratio:

3-1/3 parts powder to 1 part latex by volume eg: 330mls powder to 100mls latex.

Mix the powder and latex to a smooth consistency by hand.

Slightly more latex may be added to obtain a more fluid mix.

Mix only sufficient material which can be used in 5 minutes, as the mix will rapidly harden after this period.

This option develops a stronger bond and adhesives will bond to it more effectively.

Option 2

Mix Hardfast with water to a smooth consistency.

Hardfast mixed with water only will have lesser adhesion than Hardfast mixed with FLC emulsion. Water mixed Hardfast **must** be subsequently sealed prior to adhesive application.

INSTALLATION:

Work the mixed Hardfast into the repair area, forcing the material into cracks to obtain a good bond. Finally trowel off to a smooth finish. Lightly sand any ridges. Sealing should now take place with Duraseal. One light coat is sufficient. Allow to fully dry.

Installation of sheet flooring materials is possible as soon as the repair and sealer has hardened completely, usually about 20 minutes.

COVERAGE:

One litre of mixed compound will cover approximately 0.3 square metres at 3mm thickness. Depths greater than this should only be used in cracks or holes.

CLEAN UP:

Wash equipment with water before the compound hardens.