

Durafloor Feathertop

Floor underlay, trowellable, feather edging mortar (0 - 3 mm thickness)

USES

Durafloor Feathertop is a shrinkage controlled trowelable feathering cement compound which smooths out ridges, cracks and joints providing an even underlayment surface.

The product's quick drying properties allow the final floor to be installed as soon as it hardens.

Durafloor Feathertop is compatible with other Parchem underlayment products and resin based systems such as Durafloor SL (refer separate Technical Data Sheet).

ADVANTAGES

- Smooths out ridges and fills in cracks, gouges, scratches and joints over concrete
- Volume stable; minimising curling and cracking
- Rapid hardening and curing allowing speedy access for foot traffic and overlaying
- Fast application and mixing enabling large areas to be completed in a working day
- Cured surface provides dust free substrate for vinyl and carpet

DESCRIPTION

Durafloor Feathertop is an aggregate free, trowelable cement compound, modified with strength developing additives and flow agents. Supplied as a powder which requires only the addition of water to produce a smooth trowelable material.

DESIGN CRITERIA

Durafloor Feathertop is designed for application up to 3 mm thickness. Durafloor Feathertop can be applied to clean, sound and well prepared concrete substrates which are free from loose material, oil, grease, paint etc. and has a minimum compressive strength of 20 MPa.

The relative humidity of the concrete substrate must not be greater than 80% at the time of installation. New concrete should be at least 14 days old.

Consult Parchem for advice on use on other substrates.

PROPERTIES

The values given below are average figures based on 1.2 litres of water added per 4 kg bucket of Durafloor Feathertop. Actual values obtained on-site may show minor variations from those quoted.

PHYSICAL PROPERTIES

Compressive strength (70 mm cubes cured)

@ 23°C Dry cure: 28 days 20 MPa

Time to foot traffic

@ 23°C: 2 - 4 hours

@ 15°C: 6 - 8 hours

Time to overlaying typical floor coverings

such as carpet / vinyl: When thoroughly hardened

Work time (typical)

@ 23°C 20 minutes

TECHNICAL SUPPORT

Parchem offers a technical support package to specifiers, end-users and contractors, as well as on-site technical assistance.

APPLICATION INSTRUCTIONS

PREPARATION

Substrate to be clean, sound and free from loose material and contamination such as plaster, oil, paint and grease.

New concrete should be at least 14 days old.

Excess laitance should be removed by light scabbling or captive shot blasting followed by vacuuming to remove dust debris. Oil and grease must be removed.

Large cracks and holes may be filled using a mix consisting of equal volumes of Durafloor Leveltop and clean sharp sand made up to a trowelable mortar by the addition of a small amount of water.

For applications where water vapour, seepage or moisture are of concern, pre-treatment and priming with Durafloor

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DURAFLOOR
INDUSTRIAL FLOORING

PARCHEM	CONCRETE REPAIR	FLOORING	JOINTING SYSTEMS	WATERPROOFING
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www.parchem.com.au	7 Lucca Road, Wyong NSW 2259	Sales 1800 624 322	Technical 1800 812 864	ABN 80 069 961 968 1

Durafloor Feathertop



Moisture Barrier is recommended (*refer separate Technical Data Sheet).

Application procedure is as follows:

- For substrates other than concrete or masonry please phone the Technical Hotline for advice on the appropriate priming system
- Apply Durafloor Feathertop to the required thickness onto the dry surface with a steel trowel

MIXING

Use 1.0 - 1.4 litres of cool, clean water per 4 kg bucket of Durafloor Feathertop (or 3 : 1 to 4 : 1 powder : water by volume).

Pour the water into a container, start mixing with a forced action mechanical mixer, slowly add all the powder while mixing, mix evenly through material for 2 minutes until a smooth consistency is achieved.

Do not mix more than can be laid within the flow time of the material, but ensure that the subsequent mixes are ready to allow the necessary continuous pouring for the entire surface.

APPLICATION

Apply the mixed material to the clean substrate with a steel trowel. Apply sufficient pressure to enable Durafloor Feathertop to be worked into the defects in the surface.

Durafloor Feathertop can be applied from feather edge to up to 3 mm.

Subsequent floor coverings can be installed over Durafloor Feathertop as soon as it has thoroughly hardened (2 hours at 23°C).

Air and substrate temperatures must be above 10°C during application and cure, and rapid drying conditions must be avoided, especially direct sunlight or through drafts, until the material is hard (approximately 2 - 4 hours).

CLEANING

Durafloor Feathertop should be removed from tools and equipment with clean water immediately after use. Hardened material can only be removed mechanically.

LIMITATIONS

Durafloor Feathertop is suitable for internal applications only.

Do not install on substrate temperatures less than 10°C.

The addition of water outside the recommended levels will depreciate the performance characteristics stated in this literature.

Durafloor Feathertop must not be used in areas where back water pressure is likely. Refer to Parchem for application where rising damp or hydro static water pressure is likely.

To prevent rapid drying protect from direct sunlight and/or drying winds during application and final curing period.

If the surface onto which Durafloor Feathertop is applied moves or cracks, reflective cracking may occur.

ESTIMATING

SUPPLY

Durafloor Feathertop: 4 kg bucket

COVERAGE

Durafloor Feathertop: Each 4 kg bucket yields approx. 2.7 litres when mixed with 1.2 litres of water

The coverage figures given are theoretical - due to wastage factors and the variety and nature of possible substrates, practical coverage figures may be reduced.

STORAGE

Durafloor Feathertop should be stored in dry conditions. Under these conditions the product will have an estimated shelf life of 6 months.

IMPORTANT NOTICE

A Material Safety Data Sheet (MSDS) and Technical Data Sheet (TDS) are available from the Parchem website or upon request from the nearest Parchem sales office. Read the MSDS and TDS carefully prior to use as application or performance data may change from time to time. In emergency, contact any Poisons Information Centre (phone 13 11 26 within Australia or 0800 764 766 within New Zealand) or a doctor for advice.

PRODUCT DISCLAIMER

This Technical Data Sheet (TDS) summarises our best knowledge of the product, including how to use and apply the product based on the information available at the time. You should read this TDS carefully and consider the information in the context of how the product will be used, including in conjunction with any other product and the type of surfaces to, and the manner in which, the product will be applied. Our responsibility for products sold is subject to our standard terms and conditions of sale. Parchem does not accept any liability either directly or indirectly for any losses suffered in connection with the use or application of the product whether or not in accordance with any advice, specification, recommendation or information given by it.

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