

Durafloor HD

Liquid floor hardener / densifier / dustproofers - clear

USES

On any new or existing internal concrete or masonry surface.

- Manufacturing facilities
- Warehouse floors
- Storage Facilities

ADVANTAGES

- Hardens
- Dustproofs
- Durable
- Single application
- No residues - no flushing off required

DESCRIPTION

Durafloor HD hardens, densifies and dustproofs the surface as well as providing improved stain resistance. The finished floor will retain its concrete appearance whilst exhibiting durability with long lasting aesthetics. It is an excellent application for new or existing concrete, natural or pigmented. This environmentally friendly system is easy to clean and maintain.

If required, Durafloor HD can be treated with Durafloor HD-S to provide a floor with similar abrasion resistance but with improved stain resistance and higher sheen level to that of the standard Durafloor HD.

PROPERTIES

Abrasion: ASTM C 779—Depth of Wear Abrasion Resistance to Revolving Discs: Durafloor HD sample had an improvement of 40% over an untreated control sample

Permeability: Conducted under CRD-C 48-73 “Method for Water Permeability of Concrete” showed Durafloor HD greatly reduced permeability of concrete over the control

Friction: ASTM C-1028-96 (A higher number represents increased friction). The untreated sample; FD.710 and the treated sample with Durafloor HD; FD.770

Water Vapour Transmission: ASTM E-96-94 . These figures are reported in g/hour/m² and show reduced vapour transmission. Untreated 1.40, treated with Durafloor HD 1.20

APPLICATION INSTRUCTIONS

SURFACE PREPARATION - HARDENED CONCRETE

It is essential that Durafloor HD be applied to a sound, clean substrate, free of previous coatings, grease, oil, dirt, adhesives, laitance and any other surface contamination.

The surface must be thoroughly cleaned with a neutral cleaner and then fresh water to remove any contaminants or surface barriers.

The surface to be treated must be dry before initial application.

SURFACE PREPARATION - FRESH CONCRETE

Durafloor HD can also be applied as a stand alone hardener / densifier to freshly laid concrete as soon as there is no free water on the surface and the concrete is firm enough to walk on. For further details please contact Parchem.

APPLICATION

Agitate Durafloor HD before use.

Apply Durafloor HD with a low-pressure sprayer or scrubber at approximately 7 - 10 m²/litre. Floor must be kept wet with material for 20 minutes. If an area begins to dry, re-mist with material. Do not add water to the material or to the surface being treated.

Let the surface dry without any puddling by brooming the product around if necessary. After the material dries, clean-up any excess material with a scrubber.

Allow Durafloor HD one hour to dry after final coat, prior to foot traffic.

Durafloor HD should be free from contact with water for the initial 24 hours in ambient temperature to allow cure time. Humidity will delay cure time, therefore humidity should be reduced by using a fan etc. After 24 hours, the surface treated can be damp mopped or scrubbed with an auto scrubber and pH neutral cleaner.

PARCHEM	CONCRETE REPAIR	FLOORING	JOINTING SYSTEMS	WATERPROOFING
TECHNICAL DATA SHEET	SEPTEMBER 07			
www.parchem.com.au	7 Lucca Road, Wyong NSW 2259	Sales 1800 801 108	Technical 1800 812 864	ABN 80 069 961 968

PERIODIC MAINTENANCE

Surface should be regularly cleaned with a pH neutral cleaner to achieve optimum performance and longevity.

CLEANING

Clean all equipment with soap and warm water.

LIMITATIONS

- Durafloor HD will not penetrate curing compounds or other coatings on the concrete being treated. These must be removed by mechanical means such as diamond grinding.
- Coverage and consumption rates will vary depending on the porosity and roughness of the concrete being treated.
- Stain resistance and sheen level will vary depending on the porosity and roughness of the concrete being treated.
- Liquid hardeners / densifiers work by reacting with Calcium Hydroxide available in the concrete. If the concrete had been rain affected or overworked in the laying process there may not be sufficient Calcium Hydroxide present for the reaction to occur. These products will not fix bad concrete.
- The final grind may affect the overall characteristics of the floor. It is recommended to carry out grinding and slip trials on projects where slip may be of concern.
- Material cannot be applied in below freezing temperatures.
- Adverse weather conditions or humidity may affect cure time and application rates. Parchem recommends discussing application directly with our Technical Department.

ESTIMATING

SUPPLY

Durafloor HD 5, 20 & 200 litre drums

COVERAGE

approximately 7 - 10 m²/litre depending on surface porosity

SPECIFICATION CLAUSE

Refer to Parchem website for detailed specification clauses.

STORAGE

Do not allow to freeze. Keep container closed when not in use. Do not transfer material into other containers for storage or disposal.

SHELF LIFE

All products have a shelf life of 18 months if kept in a dry store in the original, unopened packs.

ADDITIONAL INFORMATION

Parchem provides a wide range of complementary products which include:

- concrete repair – cementitious and epoxy
- grouts and anchors – cementitious and epoxy
- waterproofing membranes – liquid applied, cementitious and bituminous sheet membranes
- waterstops – pvc and swellable
- joint sealants – building, civil and chemical resistant
- industrial flooring systems – cementitious and epoxy
- architectural coatings
- filler boards – swellable cork, bituminous and backing rod
- ancillary products

For further information on any of the above, please consult with your local distributor or Parchem sales office.

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.