

# Data Sheet

## ADOTUF

### Concrete Surface Hardener and Dustproofers



The application of **ADOTUF** to an existing cement-bound floor will significantly improve the properties of the floor to render it:

#### Advantages

- Dustproof
- Oil and grease proof
- Case hardened
- Resistant to dilute acids
- More durable
- Longer lasting
- Easier to clean

#### Use

##### Surface Preparation

Cement bound floors must be sound, clean, dry and free from oils, grease, fats, etc. New floors will require at least 10 days to thoroughly dry out before treatment. Pores in the surface should be opened up by wire-brushing. Remove dust and loose particles with a soft broom.

##### First Application

Dilute at rate of 1 volume **ADOTUF** to 4-8 volumes of water dependant upon floor porosity. Porous floors will absorb the material diluted 1:4 whereas dense floors will require dilution of up to 1:8. The diluted material should be poured liberally over the floor by means of a watering can, swept over the surface by means of a hair or fibre broom and kept moving until absorption is no longer evident. The floor should remain saturated for 3 to 4 hours during which period any areas which dry out should be retreated. After this period all non-absorbed material should be removed by means of a rubber squeegee or soft broom. Immediately prior and during treatment the floor should not be subjected to excessive heat.

##### Second Application

On the following day or after the floor has thoroughly dried out the same procedure should be carried out using a slightly more dilute mixture. On very porous floors a third application may be required. This is evident when the floor will still absorb the dressing at a fast rate. A greater number of more dilute applications is preferable to a fewer number of more concentrated applications.

##### Covering Capacity

As covering capacity is dependent upon floor porosity it is not possible to quote a specific figure. However, experience has shown that an average coverage of 6 m<sup>2</sup> per litre of **ADOTUF** per coat may be expected.

**N.B.** During application of **ADOTUF** it is advisable that rubber gloves and boots be worn. The material should not come into contact with glass or with painted or polished surfaces and any contact by splashes should be washed off immediately with water.

##### How it works

**ADOTUF** is a liquid chemical solution which when diluted with water and applied to existing cement-bound floors case-hardens the surface, rendering it dustproof even when subjected to wire-brushing. It also greatly improves resistance to deterioration due to spillage of oils, greases and acids. This is achieved by the special chemicals in **ADOTUF** which enter the pores and capillaries in the concrete and combine with free lime to form an extremely hard, chemically resistant crystalline material which becomes an integral part of the floor.

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**ADOTUF** will greatly extend the life of both old and new floors. It not only considerably reduces floor maintenance and subsequent cleaning costs, but also reduces dust hazard to both health and machinery. Applying **ADOTUF** is quick and easy, and may be carried out by unskilled labour with only a minimum of interruption to floor usage.

**ADOTUF** is a treatment for all cement-bound floors but will not be effective in binding together surfaces where the cement paste is of such poor quality that its surface is in a state of disintegration.

#### Specification Clause

**ADOTUF** Concrete Surface Hardener and Dustproofers manufactured by Adomast Building Chemicals Ltd. shall be used to treat the floor in accordance with the manufacturer's recommendations.

#### Health & Safety

**ADOTUF** may irritate. Eyes and skin should be protected from splashes. Remove splashes on the skin with soap and water. If contact with eyes occurs irrigate immediately with copious quantities of clean water before seeking medical advice without delay. If accidentally ingested do not induce vomiting, and seek medical advice without delay.