Adotuf Technical Specifications

Concrete Surface Hardener & Dustproofer

ADOTUF is a liquid chemical solution which when 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.

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.

Advantages

- Dustproof
- Improved surface resistance to water, oil and grease
- Case hardened
- Resistant to dilute acids
- More durable
- Longer lasting
- Easier to clean

Application

Surface Preparation

Cement bound floors must be sound, clean, dry and free from oils, grease, fats, etc. New floors will require at least 7- 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

Adotuf can be used as supplied or can be easily and readily diluted with water. Dilute at rate of 1 volume ADOTUF with up to 2 parts of water depending upon floor porosity. Denser floors may require a higher rate of dilution to generate the required penetration into the concrete. 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

After the floor has thoroughly dried out the same procedure should be carried out using a 1:2 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.

Any residue must be removed with a squeegee, if still remaining on surface after 4 hours. This avoids the formation of white crystalline silicate which can be difficult to remove if allowed to dry.

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.. Permanent damage may be caused if not rinsed of immediately.

Coverage

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 5-7 m² per litre of ADOTUF per coat may be expected.

adomast.co.uk T + 44 (0)1226 707863 F + 44 (0)1226 718051 E info@adomast.co.uk **Adomast Manufacturing Ltd,** Barkston Road, Carlton Industrial Estate, Barnsley S71 3HU

Storage

Adotuf should be protected from frost. Containers must be kept sealed after use. The product may require mild agitation before use if stored for more than 6 months.

Shelf Life

12 months in sealed containers, use within 2 months of opening. Roll or agitate prior to use.

Specification

Adotuf is manufactured by Adomast Manufacturing Ltd and shall be applied strictly in accordance with the manufacturer's instructions. For specific advice regarding any aspect of this product, please consult our Technical Department

Health and Safety

During application avoid contact with eyes and skin. In the event of eye contact irrigate immediately with copious quantities of water and then seek medical advice. In the event of skin contact, wash with soap and water

See Safety Data Sheet for further information.

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