

## TECHNICAL DATASHEET

# ASCOSCREED HD

Pre-Mixed, Fiber Reinforced, Self Leveling Heavy Duty Floor Screed



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## PRODUCT INTRODUCTION

ASCOSCREED HD is a specially developed fiber reinforced, free flowing heavy duty floor screed. It is manufactured from a controlled blend of special sand, aggregates, fiber, cement, polymers and additives etc. ASCOSCREED HD exhibits high flow properties making it both self leveling and smoothening.

## KEY FEATURES

1. Pre-mixed, cost effective, ready to use.
2. Superior flow characteristics
3. Long working time
4. Application is less time consuming.
5. High resistance to moisture migration from substrate
6. Minimizes time and effort
7. Early trafficking
8. Pumpable
9. For indoor and outdoor application

## RECOMMENDED APPLICATIONS

1. Swimming Pool
2. Floor Space
3. Residential Flooring
4. Industrial Flooring
5. Above brick bat coba
6. Commercial flooring as protection layer

## SUITABLE SUBSTRATES

1. Dry, completely cured concrete (>28 days)
2. Existing ceramic & quarry tiles, porcelain, granite and marble

## TECHNICAL PROPERTIES \* *(Complies to ASTM C 109)*

Form	Free flowing granular powder
Color	Grey
Bulk Density	1900 ± 50 Kg/m <sup>3</sup>
Workability	50 ± 10 minutes
Application Temperature	+5°C to +40°C
Water Demand	12 to 14 % by weight (depending on mix)
Bed Thickness	10 to 80 mm
Compressive Strength, ASTM C 109	≥ 35 N/mm <sup>2</sup>
Flexural Strength	≥ 8 N/mm <sup>2</sup>
Resistance to Abrasion—28 Days	3
Initial Setting Time	120 ± 10 minutes
Final Setting Time	24 hours
Foot Traffic	After 24 hours
Coverage	50 Kg will cover approx. 19-21 ft <sup>2</sup> (15-17mm thickness)

\* The values obtained are from laboratory testing conditions and at 27 ± 2°C. Onsite tests may show slight variation due to site conditions and/or methods of testing/application.

## APPLICATION METHODS:

### 1. Surface Preparation

All surfaces must be clean, dry and free from any contaminants such as dust, oil, wax, grease, curing agents or other substances that may affect adhesion performance. If it is a large area the surface should be treated by mechanical grinding or shot blasting. Building debris such as off cuts, sawdust, nails, screws, plaster, wood, etc. must be thoroughly cleaned with the help of wire brush, vacuum cleaner and/or damp sponge.

### 2. Priming

Normal concrete/screed requires priming with ASCOBOND or ASCOBOND AR or ASCOBOND AR 470 diluted 1:1 with clean water. Particularly porous concrete/screed requires priming with ASCOBOND or ASCOBOND AR or ASCOBOND AR 470 diluted 1:1 with clean water followed by a coat of undiluted ASCOBOND or ASCOBOND AR or ASCOBOND AR 470.

### 4. Mixing

Trials should always be carried out to optimize the mix design before work commences. Add 7 to 9 Liter of clean water per 50 Kg bag of ASCOSCREED HD. Mix with a heavy duty drill. All materials should be adequately mixed to ensure full dispersion of materials without lumps. Water demand should be  $13 \pm 1$  % by weight of total dry mix.

### 5. Coverage

50 Kg will cover approximately 19-21 ft<sup>2</sup> at 15-17mm thickness.

### 6. Application

ASCOSCREED can be mixed in common concrete mixer. Spread/distribute entire ASCOSCREED HD on the concrete floor and compact mixed screed evenly to the desired thickness, using a long aluminum/steel straight-edge. Minimum thickness of ASCOSCREED HD should be 15 mm. After it is cured, FIXOBOND PLUS or other range of Ascolite's tile adhesives can be used to apply tile/stone. Prepared mix should be consumed within 30 minutes.

### 7. Cleaning

Clean mixer, working tools and hands with water while product is still fresh.

## 8. Curing

Optimum curing performance level is achieved after 24 hours of application.

## 9. Health and Safety Guidelines

- i. Use personal protective equipment (PPE) to use ASCOSCREED HD for storage and application
- ii. If come in contact with eyes, immediately wash eyes with plenty of water and seek medical advice.
- iii. Use of safety goggles, nose mask and hand gloves are recommended to protect eyes, skin and mouth while in use. (Material Safety Data Sheets are available through our company's representative or from our ASCOLITE's website)

## 10. Packaging

Available in 30 Kg and 50 Kg Bag.

## 11. Shelf Life

9 months from the date of production if stored in original, unopened packaging and in places protected from moisture, sun exposure and frost.

### DISCLAIMER:

*While the technical details & recommendations contained in this document and the related details given by the representatives of the company correspond to the best of our knowledge & experience, all the above information must in any case be considered as merely indicative and subject to confirmation. Users are recommended to conduct a product suitability test before it is used at full scale. In any case, the consumer alone is entirely liable for any consequences resulting from using the product. For the most up-to-date TDS, please visit our website at [www.ascolite.in](http://www.ascolite.in). Our company policy is one of ongoing R&D; therefore, we reserve the right to update this information without prior notice at any time. As the correct identification of the problems, the quality of other materials used, on-site environmental conditions and the workmanship on-site are factors beyond our control, there is no express or implied guarantee/warranty as to the results achieved. The company assumes no liability or consequential damage arising from the use of our products for unsatisfactory results. Site visits are not a supervisory responsibility wherever provided. Suggestions made either verbally or in writing by the company may be followed, modified or rejected by the owner, engineer or contractor, since they are solely responsible for carrying out procedures appropriate to a specific application.*