ascolite

A Better Solution

ASCOSREED RM

Pre-mixed, Specially Formulated Floor Screed for Light to Heavy Traffic

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PRODUCT INTRODUCTION

ASCOSCREED RM is a specially formulated, light to heavy duty floor screed. It is manufactured from a controlled blend of specially graded sand, aggregates, cement, polymers and additives etc. ASCOSCREED RM exhibits medium flow properties making it smooth. ASCOSCREED RM is suitable for most common subfloors such as sand/cement screed and concrete. It is a pre-blended cost effective dry screed designed for using as screed in large floor areas at lesser time. Application is recommended with thickness 10 to 80 mm. Apart from sub-floor, it can also be used as a top layer.

KEY FEATURES

1. Pre-mixed, cost effective, ready to use.
2. High resistance to moisture migration from substrate.
3. Application is less time consuming.
4. Easy to install.
5. Compatible with all tile-setting mortars, adhesives and floor coverings.
6. Increases compressive strength.
7. Thinner sections compared to traditional screeds.
8. Very minor drying shrinkage.
9. Reduces wastage and rendering loss.

RECOMMENDED APPLICATIONS

ASCOSCREED RM should be used to level and smoothen uneven internal sub-floors such as concrete, cement / sand screed, quarry tiles, etc. prior to the installation of resilient flooring. It is suitable for interior as well as exterior applications for residential and industrial uses. It is suitable to use as a repair mortar for old floorings and cementitious screeds.

TECHNICAL PROPERTIES *

ASCOSCREED RM	1:4	1:6	1:8
Form/Appearance	Grey Coarse Powder	Grey Coarse Powder	Grey Coarse Powder
Maximum Grain size	5 mm	5 mm	5 mm
Compressive Strength 1 day 7 days 28 days	$\geq$ 10 N/mm² $\geq$ 25 N/mm² $\geq$ 35 N/mm²	$\geq$ 08 N/mm² $\geq$ 20 N/mm² $\geq$ 25 N/mm²	$\geq$ 07 N/mm² $\geq$ 15 N/mm² $\geq$ 20 N/mm²
Flexural Strength-28 days	$\geq$ 4 N/mm²	$\geq$ 2.5 N/mm²	$\geq$ 2 N/mm²
Bulk Density	2000 $\pm$ 100 Kg/m³	2000 $\pm$ 100 Kg/m³	2000 $\pm$ 100 Kg/m³
Working Time	40 min $\pm$ 10	50 min $\pm$ 10	60 min $\pm$ 10
Setting Time Initial Final	120 min $\pm$ 30 180 min $\pm$ 30	140 min $\pm$ 30 180 min $\pm$ 30	150 min $\pm$ 30 180 min $\pm$ 30
Recommended Thickness per Layer	10 mm – 60 mm	10 mm – 80 mm	10 mm – 80 mm
Water Demand	12 $\pm$ 2 % by weight	12 $\pm$ 2 % by weight	12 $\pm$ 2 % by weight
Application Temperature	+ 5°C to + 40°C	+ 5°C to + 40°C	+ 5°C to + 40°C
Foot Traffic	24 hours	24 hours	24 hours
Coverage @ 10 mm thick	25 – 30 ft² / 50 kg bag	25 – 30 ft² / 50 kg bag	25 – 30 ft² / 50 kg bag
Resistance to Abrasion 28 Days	3	2.5	2

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

3. Mixing

Add 50 kg bag of ASCOSCREED RM in 5.0 – 6.0 liter of clean water. Mix at slow speed with a heavy duty drill and paddle for 1-2 minutes or with a suitable continuous mixer. Addition of excess water will cause a loss of strength. Maximum 15 Kg of single sized 10mm aggregate has to be mixed with 50 Kg ASCOSCREED RM for preparing general fine con-crete screed. The aggregate replaces 30-40% of the pre-mixed ASCOSCREED RM.

4. Cleanup

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

5. Application

ASCOSCREED RM can be mixed in common concrete mixer. Spread/distribute entire ASCOSCREED RM on the concrete floor and compact mixed screed evenly to the desired thickness, using a long aluminum/steel straight-edge. Minimum thickness of ASCOSCREED RM should be 10mm. 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.

6. Curing

Water curing of 2-3 Days for 2-3 times per day is recommended in regular conditions. Incase of extreme weather conditions, additional curing may be required. Do not over-water and protect from rain, weather and freezing until cured (24 hours). Protect from foot traffic for at least 3-6 hours at normal room temperature and humidity conditions. Protect from dirt, dust and damage from other trades until fully covered by a floor covering or tiling material. To avoid water curing, a suitable product from the ASCOCURE range, such as ASCOCURE WB 30 can be applied immediately after finishing.

CAUTION:

1. Substrate temperatures should be above 5°C and rising.

2. **ASCOSCREED RM** are affected by extremes of temperature and consideration should be given to hot weather conditions as the ASCOSCREED RM will set fast and have shorter open time, in cold conditions the mortar will set slower and require extended time prior to traffic. Do not use below 5°C and above 40°C.

3. Avoid application if the work area may be subject to the onset of rain or moving water.

4. Do not part mix under any circumstances.

5. Movement and expansion joints should be provided as in conventional screeds.

6. Additional coating protection should be applied if the product is exposed to chemicals.

7. Materials not used within the specified time should be discarded.

HEALTH & SAFETY GUIDELINES:

This product contains cement, which becomes alkaline when wet and may cause skin irritation. Use goggles, gloves and protecting cream. Avoid prolonged contact with skin. Avoid inhaling the dust. Wash affected area with warm water and soap. Wash eyes thoroughly and consult a physician. Kindly refer Material Safety Data Sheet for further information.

PACKAGING:

Available in 50 Kg plastic bags.

SHELF LIFE:

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

DISCLAIMER: