

## ASCOSCREED

Specially formulated High Strength Floor Screed Binder for Any Types of Floor Underlayment Levelling Screed.

### DESCRIPTION

ASCOSCREED is a specially formulated non shrink, fast-setting, easy-spread, high strength and self-curing concentrated cement binder. ASCOSCREED is mixed proportionally with the appropriate sand and water, provides a shrinkage-free mortar bed and floor underlayment leveling screed that can be easily poured or pumped. ASCOSCREED binder is to create high performance base of screed before any type of tile/stone flooring.

### KEY FEATURES

- Easy Installation (Reduces time & costs)
- Compatible with all tile-setting mortars, adhesives and floor coverings
- Increase Compressive strength
- Thinner sections compared to traditional screeds
- Install tile, stone or any flooring after 6 hours
- Minimal Drying Shrinkage
- Foot traffic after 24 –48 hours
- Can be applied in wet areas
- Self-compacting – no voids around under floor

### RECOMMENDED APPLICATIONS

- Swimming Pool & Bathroom Floors
- Residential & Commercial Floors
- Industrial Flooring

### SUITABLE SUBSTRATES

- Dry, completely cured concrete (at least 28 days old)
- Existing ceramic and quarry tiles, porcelain, granite and marble

### TECHNICAL DATA

Appearance	: Grey powder
Water Demand	: 12-14 % by weight
Compressive Strength	: (ASTM C 109) Mixing with crush sand 28 N/mm <sup>2</sup> (7 days) (Ratio @ 1:4) (Heavy Duty) 20.0 N/mm <sup>2</sup> (7 days) (Ratio @ 1:6) (Medium Duty) 15.0 N/mm <sup>2</sup> (7 days) (Ratio @ 1:8) (Tiling Screed)
Initial Setting Time	: Around 2 hours
Working Time	: Approx 45-60 minutes
Coverage	: 5.5 m <sup>2</sup> to 7.5 m <sup>2</sup> at mixing ratio 1:4 to 1:6 @ 10-12 mm thickness

### 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 preparation by 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 - damp sponge.

## MIXING

Trials should always be carried out to optimize the mix design before work commences. The quality of river sand should be graded and approved. The screed is a blend of **ASCOSCREED**, sand/M-sand & water. The mix proportions depend on the availability of local sand. A typical screed mix would be 20 kg of **ASCOSCREED**, 60/70 kg of sand/M-sand, add clean water to achieve the desired semi-dry consistency. All materials should be adequately mixed to ensure full dispersion of materials without lumps. Water Ratio should be ± 40 % by weight of **ASCOSCREED**.

## APPLICATION

**ASCOSCREED** can be mixed in common concrete mixer. Spread/distribute entire **ASCOSCREED** on the concrete floor and compact mixed screed evenly to the desired thickness, using a long aluminum/steel straight-edge. Minimum thickness of **ASCOSCREED** 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. Do not mix more screed than can be applied within 30 minutes.

## CURING

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. Note: Drying time may vary depending on prevailing temperature and humidity conditions.

## CLEAN UP

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

## SAFETY

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 Safety Data Sheet for further information.

## PACKAGING

**ASCOSCREED** is supplied in 20 kg plastic lined bags.

## SHELF LIFE

**ASCOSCREED** can be stored up to 9 months from the date of manufacturing.