

SCREED

SOUND & THERMAL
INSULATION SCREED MORTAR

PRODUCT DESCRIPTION

It is a surface smoothing screed for insulation purposes that is not affected by water and humidity, supported by additives that do not harm health and the environment, obtained by reinforcing natural material mixtures and high-performance components. It provides heat, water, sound and fire insulation between the mezzanine floors, open wood, sheet metal, concrete roofs and terrace floors.

USAGE AREAS:

It is suitable for all types of floors, terraces, concrete floors. WERNER screed can be applied on all kinds of flooring without the need for another intermediate layer material. A minimum of 5 cm should be applied on surfaces between open roofs and floors. In this way, it provides 40-50% heat saving and 55db sound insulation between floors and open roofs.

FEATURES:

1. Low volume weight and does not impose an extra load on the building.
2. WERNER screed applied at least 5 cm that absorbs 55 db of sound.
3. Thermal insulation by preventing heat losses from the ground with its conductivity value.
4. Suitable for all kinds of construction applications.
5. Save time from labor costs with its practical application method.
6. Cement-based, so it is long-lasting. It is composed of 98% natural raw materials and is an ecological product that is sensitive to the environment and human health.
7. A1 class non-combustible material. It does not produce suffocating and poisonous gases during fire.

SURFACE PREPARATION:

The floor slab on which the application will be made must first be cleaned of dust. If there are anti-adhesive materials such as paint, oil, etc., the preparation should be completed by cleaning them.

METHOD OF APPLICATION

The leveling screed, which is prepared in its consistency, is applied on the slightly damp surface with a steel trowel or plaster pump in one layer and the master is done. No foreign material should be added to the prepared mixture. (Lime, Plaster, Cement etc.)

APPLICATION DETAIL

Manual application, it should be mixed with an average of 12-15 liters of water with a low-speed drill for 3-4 minutes, poured onto the floor, and left to dry by screeding.

Machine application, it should be mixed with approximately 15-18 liters of water and pumped to the surface. When the desired thickness is reached, it should be left to dry by screeding.

APPLICATION CONDITIONS

Application surface and ambient temperature should be above +5°C. Considering excessive moisture loss at temperatures above +30°C, the mixing water should be increased and the surface should be kept moist by wetting it for 2 days after the surface hardening phase.

MATTERS TO CONSIDER

1. Avoid application under strong wind or sun. At low temperature the time is longer, at high temperature it is shorter. It should not be applied on surfaces that are frozen, melting or at risk of frost within 24 hours.

ENVIRONMENTAL EFFECTS

Not classified as dangerous.

TECHNICAL SPECIFICATIONS

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| Theoretical Powder Consumption | 10 Liters/m ² /cm |
| Dry Density | 600 Kg/m ³ |
| Thermal Conductivity | T1 |
| Compressive Strength | CSII (2.5N/mm ²) |
| Water Vapor Permeability | 8 |
| Capillary Water Absorption | W2 |
| Adhesion Strength | 3,2Kgf/cm |
| Sound Insulation (5cm Thickness) | 55db/500hz |
| Packaging | 40 Liters / Bag (±02%) |
| Appearance | Gray Color Powder |
| Application Temperature | +5°C +50°C |
| Application Thickness | 20mm – 50mm |
| Application time | 45 minutes |
| Method of Application | Steel Trowel-Screed Pump |
| Initial Drying | 1-2 Hours |
| Setting Time | 72 Hours |
| Shelf life | 12 months in dry environment in unopened package |
| * These values were obtained as a result of laboratory experiments and are valid for the performance of the finished applications after 28 days. Values may vary due to differences in construction site environment. | |

