

ABATOP-FSL FAST SETTING SELF LEVELING CEMENT BASED UNDERLAYMENT

ABATOP-FSL is a polymer modified single component cementitious Fast Setting self-leveling compound. ABATOP-FSL has been designed for leveling, smoothing and repairing interior and exterior concrete and engineer-approved floors prior to installing floor coverings. ABATOP-FSL has high strength and is abrasion-resistant, able to withstand light foot traffic after 2 to 3 hours and vehicular rubber-wheel traffic after 3 days.

ADVANTAGES

- Excellent flowing properties and filling ability
- Good self-leveling properties
- Good adhesion to most common substrates
- Reinstating large areas in relative short time periods
- Resistant to furniture castors
- Very fast application
- Dimensionally stable
- Non shrinkage
- Reinstating large areas in relative short time periods
- Very fast application
- Dimensionally stable
- Single component product, just add water
- Installation can be carried out in a single application
- Rapid curing
- Can be applied directly onto prepared concrete surfaces
- Eliminates the need for sand and cement screeds
- May create more ceiling height by removal of screed
- Reduces load in building when replaces screed
- Easy apply

FIELD OF APPLICATION

- Underlayment for floor coverings such as carpet, ceramic tiles, vinyl, parquetry, linoleum etc.
- Fast repairs of uneven concrete floors
- Residential, commercial and medium industrial application
- Application thickness from feather edge to 10 mm in a single application
- New construction and refurbishment projects
- Flat smooth surfaces over existing concrete slabs
- Leveling existing uneven concrete floors



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مرکز ملی تائید صلاحیت ایران
ISO / IEC 17025



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AMOUNT REQUIRED

For every 1mm thickness 2.0 kg of dry powder per square meter will be required, i.e. 1 m² at 5 mm thickness will require 10 kg of dry powder.

SUBSTRATE PREPARATION

Ensure the concrete substrate is clean and free from oil, grease, sealers, curing compounds, paints, polymer coatings, dust or other foreign (bond breaking) matter. Excess bitumen, adhesive or laitance should be removed by light scabbling or mechanical captive shot blasting or grinding, followed by vacuuming to remove debris and dust.

Depending on different conditions, new concrete floors must be 7 to 28 days old.

The substrates should be presaturated for preferably 6 hours with water before application.

MIXING

ABATOP-FSL requires 6.0 - 6.25 liters of water per 25 kg bag and is best mixed with a forced action, high shear stirrer, or by a heavy duty electric mixing drill at approx. 600 R.P.M. Add pre measured water to a clean mixing bucket. Gradually add ABATOP-FSL into the water whilst continuously mixing the contents of the bucket. When the entire contents of the bag have been added to the water, mix for a further two minutes to produce a smooth homogenous consistency. Do NOT mix by hand. Do NOT add excess water. Discard any ABATOP-FSL that has hardened or stiffened in the mixing bucket. Too intensive agitation of the mixture may result in unwanted air inclusion. Before application, one should allow the mixture to stand for a short time. Further addition of water will NOT reconstitute a useable mixture.

APPLICATION

The mixed material is poured onto the prepared substrates and spread with a smooth edge trowel to the required thickness in one operation. Alternatively the use of a spiked roller will ensure a smooth even finish that will not require any further attention prior to the floor coverings being applied.

CURING

It necessary to cure areas of ABATOP-FSL with humidified method for at least 24 hours

PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Powder
Color	Gray
Water/Powder	0.24 to 0.25
Specific gravity of fresh mortar	2.00±0.05 g/cm ³
Chloride ion	No chloride content



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STORAGE & SHELF LIFE

Shelf life: 1 year in the original package

Storage condition: should be protected from direct sunlight and moisture. Keep bag in the temperature range between +10°C and +30°C.

Packing: 25 kg bag

HEALTH AND SAFETY

This product does not contain any substances hazardous to human health and the environment. However, it should not be swallowed and allowed to be in contact with skin and eyes. In case of contact with eyes rinse immediately with plenty of water. When applying gloves & goggles should be worn. For further information refer to the material safety data sheet.

ABATOP-SL is not flammable.

MSDS is available at ABADGARAN website.

TECHNICAL SERVICE

The ABADGARAN INTERNATIONAL GROUP Technical Department is available to assist you in the correct use of our products and its resources are at your disposal entirely without obligation.

All data presented in this technical datasheet are based on our last researches in ABADGARAN CONSTRUCTION CHEMICALS laboratories and are just as a guide for choosing appropriate material. Therefore users should conduct a sufficient investigation to establish the suitability and conformity of any product for intended uses.



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