



ADVAMIX

Advanced Building Materials

TDS - Screed T1075

Product Description

Adva-Screed T1075 is a pre-blended floor screed mix incorporating with hydraulic cement binder, graded aggregates, silica sand and special chemical additives which has been specially formulated to produce a rapid drying floor screeds for internal and external locations. It is ideal for leveling and smoothing uneven floors prior to laying stone & tiles flooring, PVC, linoleum, decorative floor coverings, carpets, or any other floor finishing. Adva-Screed T1075 is classified as CT-C25 -F5 and in compliance with the European standard EN 13813

Features and Benefits

- Ready-to-mix mortar, easy to use and no on-site mixing with sand required .
- Excellent workability properties & good compaction . Shrinkage compensated with very good surface finishing .
- Suitable for bonded screed (T: 1040- mm) and unbonded screed (T: 4075- mm) application .
- Suitable for application by pump .
- Receives ceramic and natural stone tiles directly after 3 days .
- Can be used with underfloor heating systems .
- High compressive strength and resistance to construction traffic .
- Eco-friendly - Low VOC .

Where to use

- Formation of bonded & unbonded thick screeds in civil environments. It is not recommended on ground supported concrete slabs without damp proof membrane.
- As repair mortar for concrete floors and cementitious screeds.
- For indoor and outdoor use, also suitable for direct use.
- Can be covered with stones, tiles, parquet or resilient materials.
- Floor coverings in areas where fast-drying screeds are required in order to lay floorings in a short time .

Limitations

- Before fixing the parquet, check with a carbide hygrometer to make sure that the residue humidity is <2%.
- For stones and marbles sensitive to humidity the time must be extended to 7 days or the residue humidity is <3%.
- Do not apply at temperatures lower than 5°C or higher than 35°C .
- Not recommended to use it on gypsum-based substrate.
- Do not use the product after it becomes difficult to apply. Prepare a fresh mixture .
- Do not mix with others binder .



Surface Preparation

The surface should be sound, dry, without cracks, clean and free from loose material, grease, laitance, dirt curing compound, varnish, wax, oil, and gypsum residues. The surface should be swept to remove any loose material and wetted with clean water if the screed is placed in direct contact with the base

Adva-Screed T1075 can be mixed in:

- Normal job site mixers;
- Rotating mixers;
- Centrifugal mixers;
- Automatic pressure pumps

Screed Application

Bonded Screeds (from 10 to 40 mm thick)

Adva-Screed T1075 can be laid as a bonded screed by applying over a slurry prepared by mixing Adva-latex P with cement as a bonding slurry to prepared concrete substrate as a bonding and priming layer. To prepare the bonding slurry, mix 1 part of Adva-latex P with 1 part of clean water and add 3 parts by weight of fresh cement and mix until a loose smooth consistency is achieved. Apply a continuous, even 23- mm layer over the surface using a large flat brush, ascrubbing brush or a trowel .

Once the substrate has been prepared sufficiently by bonding slurry, start immediately to apply **Adva-Screed T1075** mix ((fresh on fresh technique) until the required screed thickness. Tamp and float the mix until a dense, smooth surface is obtained without bleeding. If the floor is subjected to high mechanical stresses, the construction joint must be made every 34- meters

Unbonded Screeds (from 40 to 65 mm thick)

The prepared mix of **Adva-Screed T1075** must be laid over the substrate with an isolating layer, made up of a polyethylene sheet barrier, or similar, to allow for movement between the screed and the existing substrate. In case of rising damp use a waterproof membrane to form a vapour barrier underneath the screed. Areas containing PVC pipes must be reinforced with light steel

reinforcement (such as a hexagonal mesh). Spread the **Adva-Screed T1075** mix and tamp down, compact thoroughly before floating to obtain a better surface finish by running a straight edge ruler alongside it. Fill any slightly low areas, re-compact and rule out. Finish the section of the screed just laid by wood float and steel trowel. Protect the floor after leveling the mix from direct sunlight, high winds or rain.

In outdoor areas where early exposure to rain is expected or under extremely windy conditions it is recommended to cover the installation with construction foil until walkable.

Curing

Curing of the completed floor shall be carried out using a combination of damp hessian and polythene sheeting for a period of no less than 3 days

Cleaning

Tools and equipment should be cleaned with water immediately after use. Hardened materials should be removed mechanically.

Packaging :

Adva-Screed T1075 is available in 50 kg bags

Storage

Adva-Screed T1075 is stable for at least 12 months when stored in a dry place & standard storage condition.

HEALTH AND SAFETY

Adva-Screed T1075 contains cement. Contact with moisture or gauging water sets off an alkaline reaction which may cause skin irritation and/or caustic burns to mucous membranes (e.g. the eyes). Risk of serious damage to eyes, therefore avoid contact with eyes and prolonged contact with skin. In case of contact with eyes immediately rinse with plenty of water and seek prompt medical attention. In case of contact with skin change contaminated clothing at once and immediately wash skin with plenty of soap and water. Wear suitable protective gloves (e.g. cotton gloves soaked in nitrile) and safety goggles/face protection. If ingested seek prompt medical attention and show packaging or this product data sheet. Keep out of reach of children.

Preparing the mix

Pour into a container 45- liters of water for 50 kg bag of **Adva-Screed T 1075**. Add the powder screed to the water and mix with a low-speed electric drill fitted with a suitable paddle for at least five minutes, until a uniform, lump free consistency mix is achieved. The mix should have a semi-dry consistency. No further water should be added to the mix. Do not add water to the mix once it starts to set

