

TEKCEM **TEKGrip**

Tekcem TekGrip is a ready to use premixed primer with enhanced bonding adhesion properties due to the inclusion of a gripping aggregate to form a textured surface when dry.

OVERVIEW

Tekcem TekGrip is a fast drying, ready to use and premixed primer that is suitable for both absorbent and non-absorbent substrates. The product can be used in conjunction with the Tekcem Range of levelling screeds to provide a highly bonded screed - prior to application of floor finishes. Suitable for internal and external applications and can be tiled or screeded over in as quickly as 20 minutes from initial lay.

TECHNICAL DATA

Unit size	5kg or 25kg
Drying time	20 minutes in warm ventilated areas (20°C/65%RH) – Drying time will vary depending on substrate porosity/temperature and internal conditions
Coverage	0.075kg/m ² to 0.11kg/m ² - depending on surface porosity and texture
Shelf life	12months – must be stored in a cool dry frost-free location
Storage	Must be stored in a cool dry frost-free location.
Appearance	Green

BENEFITS

- Suitable for most flooring substrates (see substrate guide)
- Suitable over both Radiant Wet and Electrical UFH Systems
- Rapid Drying – touch dry in as little as 20 minutes (Temperature and condition dependant)
- Premixed for instant use
- Available in 5kg and 25kg unit sizes
- Improves adhesion to both porous and non-porous surfaces.
- Long shelf Life
- Highly textured surface with single coat application+
- Suitable for screed depths up to 15mm or 20mm when used with bonded low profile UFH Systems

SUITABLE SUBSTRATES

- Sand and cement screed
- Concrete
- Calcium sulphate screeds
- Gypsum floorboards
- Fibre cement boards
- Plyboards
- Natural stone tiles
- Porcelain tiles
- Ceramic tiles
- Flooring grade asphalt
- Epoxy DPM
- Metal surfaces
- T&G floorboards
- Tile backer boards

GENERAL PREPARATION

All surfaces must be solid and free from any surface dust, oils, greases or construction contaminants. Any surface treatments must be removed (mechanically as required). Concrete or Calcium Sulphate/Anhydrite screeds must have any laitance removed prior to application. Substrates containing UFH should have the heating turned off until cool – minimum 24 hours prior to application. The application temperature range of the Tekcem TekGrip is between 5°C – 30°C.

GENERAL APPLICATION PROCESS

The Tekcem TekGrip should be well shaken prior to any application – this is to ensure a uniform mix and well distributed aggregate in the mix. Pre wet a roller with the Tekcem TekGrip and using a roller (Roller - for best results) apply a uniform layer over the whole substrate. In corners and tight access sections a paint brush should be used. Ensure the whole area is fully covered. Ensure the product does not pool. Once applied do not overcoat as this will cause a skin. The product will be ready for overcoating in approximately 20 minutes (porosity and conditions dependant). Over coating with tiling or levelling screed can progress once the product is touch dry throughout. Do not start unit all areas are dry.

Once the Tekcem TekGrip has been installed the area should have limited access to reduce possible contamination prior to screeding/tiling.

Working time and consumption of the Tekcem TekGrip will vary depending on the surface porosity/ existing surface texture and Internal temperature conditions. Warmer conditions (20°C+) will result in faster drying times of the product.

After use, ensure the units are resealed with lids tightened for future use. Any tools should be washed immediately after use with warm water.

Timber and over-boarded substrates must be rigidly braced and sufficiently constructed to take domestic loading and movement.

SUBSTRATE SPECIFIC GUIDANCE

EXISTING CONCRETE: The surface should be clean dry and free from any surface contamination. Any contamination should be removed mechanically (Surface STR or Blastrac). Apply a uniform coat of Tekcem TekGrip and allow to dry. Once dry screeding or tiling can commence.

NEW CONCRETE: New concrete should be allowed to dry for a period of 6-8 weeks prior to application of the Tekcem TekGrip. Surface RH should be checked and should not exceed 75%RH. The surface should be clean dry and free from any surface contamination. Any contamination should be removed mechanically (Surface STR or Blastrac). Apply a uniform coat of Tekcem TekGrip and allow to dry. Once dry screeding or tiling can commence.

SAND AND CEMENT SCREED: Depending on the product used the drying time can vary significantly – check with supplier for specific details - Surface RH should be checked and should not exceed 75%RH. The surface should be clean dry and free from any surface contamination. Any contamination should be removed mechanically (Surface STR or Blastrac). Apply a uniform coat of Tekcem TekGrip and allow to dry. Once dry screeding or tiling can commence.

CALCIUM SULPHATE/ ANHYDRITE SCREED: Typical drying time are 1mm per day for the first 40mm, then 0.5mm per day for the remaining thickness – check with supplier for specific details on depth - Surface RH should be checked and should not exceed 75%RH. The surface should be clean dry and free from any surface contamination. Any contamination should be removed mechanically (Surface STR or Blastrac). Apply a uniform coat of Tekcem TekGrip and allow to dry. Once dry screeding or tiling can commence.

PLYWOOD OVERLAY: Ensure that new or existing boards conditioned to the environment in which they will be used. Plywood must be a minimum of 6mm and be a flooring grade. The boarding should be screwed to the substrate at minimum 150mm centres. The flooring should be capable of taking any imposed loading and should be braced according – this includes the weight and load of any floor finishes. The surface should be clean dry and free from any surface contamination. Prime the surface with Tekcem TekGrip and allow to dry. Once dry screeding or tiling can commence.

NEW OR EXISTING CERAMIC, PORCELAIN & NATURAL STONE TILES: The surface should be clean dry and free from any surface contamination. Any tiles treated with sealer must be sufficiently cleaned or mechanically prepared in order to remove any surface treatments. Prime the surface with Tekcem TekGrip and allow to dry. Once dry Screeding or Tiling can commence.

TILE BACKER BOARD: The surface should be clean dry and free from any surface contamination. Prime the surface with Tekcem TekGrip and allow to dry. Once dry screeding or tiling can commence.

EXISTING VINYL TILES/SHEET VINYL: Ensure that the existing vinyl tiles/sheet vinyl is firm, stable and well adhered to the substrate to which the vinyl was originally applied to. The surface should be clean dry and free from any surface contamination. Prime the surface with Tekcem TekGrip and allow to dry. Once dry screeding or tiling can commence. Existing Vinyl treated with sealer must be sufficiently cleaned or mechanically prepared in order to remove any surface treatments.

FLOORBOARDS AND T&G BOARDS: Ensure that new or existing boards conditioned to the environment in which they will be used. The boarding should be screwed to the substrate at minimum 300mm centres. The flooring should be capable of taking any imposed loading and should be braced according – this includes the weight and load of any floor finishes. The surface should be clean dry and free from any surface contamination. Prime the surface with Tekcem TekGrip and allow to dry. Once dry screeding or tiling can commence.

GENERAL PRODUCT GUIDANCE

- If a tile adhesive is to be used on top of the primer, then an EN12004 C2 S1 standard adhesive (either standard or fast setting) must be used as a minimum.
- Ideally, any covering of the primer should occur within 24 hours of applying the primer.
- All substrates must be structurally sound, stable, dry, clean, and free of any substance or condition that could potentially impair or reduce adhesion. Anything that could potentially compromise adhesion will need to be mechanically removed.
- Repair cracks in the substrate before proceeding with installation.
- Apply at temperatures between +5°C and +35°C. Do not use primer in the presence of rising damp or rising humidity, and on continuously immersed surfaces.
- The product is ready-to-use, no dilution is required.
- The surface temperature of the substrate must be at least 5°C and 2.5°C above the dew point to avoid the formation of condensation on the surface as the primer dries.

UFH CONSIDERATIONS

WET UFH SYSTEMS

Prior to the application of any floor finishes the UFH system should be commissioned in line with the UFH manufacturers recommendations. Any cracking should be repaired prior to the application of any floor finishes. The UFH should be switched off at least 24 hours prior to the tiling or levelling screed commencement. The floor should be cool prior to any application of product.

When switching the heating system back on after screeding or tiling the screed / grout must be fully cured – allow typically 5-7 days – the process of reheating should be slow and at a controlled pace. Typically increase the water flow temperature between 2°C-5°C. Initial primary water starting temperature should be no higher than 25°C. This would be then increase to the set design temperature.

ELECTRIC UFH

With Electric UFH systems we would recommend that any mats or cables be screeded over, using our Tekcem 550 Fibre screed. This will provide a suitable protective layer for the system as well as leaving a uniform surface on to which to lay floor finishes.

When switching the heating system back on after screeding or tiling the screed and grout must be fully cured – allow typically 5-7 days.

STORAGE AND SHELF LIFE

Prior to application of the product shake the unit to ensure a well dispersed aggregate within the product.

The product will have a shelf life of 12 months from production in unopened plastic containers and stored under frost-free, cool and dry conditions. If materials are sat for a prolonged period, it is recommended to shake the material to ensure a consistent make is achieved.

HEALTH AND SAFETY

This product is not classified under the Chemicals Hazard Information and Packaging for Supply Regulations. A Material Safety Data Sheet relating to this product can be obtained from TEKCEM LTD.

- Avoid contact with skin and eyes
- Protective goggles and gloves should be always worn
- The product is not classified according to the CLP regulation
- Please dispose of packaging and waste responsibly

WARNING

The information provided in this datasheet corresponds to the best of our knowledge and experience. Whilst it is true and accurate to the best of our knowledge, it may contain information which is unsuitable under certain circumstances since materials, site conditions and method of application vary with each application.

TEKCEM LTD cannot be held responsible for any loss or damage due to incorrect use or from the possibility of variations in working conditions and/or workmanship beyond our control. The user alone is responsible for any consequences deriving from the product.